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EXPENDITURES FOR TRAVEL

FROM WASHINGTON TO POINTS OUTSIDE
OF THE DISTRICT OF COLUMBIA

PERFORMED BY CERTAIN OFFICERS
AND EMPLOYEES OF THE

DEPARTMENT OF AGRICULTURE

DURING THE FISCAL YEAR

ENDED JUNE 30

1913



DECEMBER 12, 1913.—Referred to the Committee on Expenditures in the
Department of Agriculture and ordered to be printed

WASHINGTON

1914

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LETTER OF TRANSMITTAL.

DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, December 11, 1913.

SIR: As required by the act approved May 22, 1908 (35 Stat. L., 244), I have the honor to transmit herewith a statement showing in detail the travel, from Washington to points outside of the District of Columbia, performed by officers and employees (other than special agents, inspectors, and employees who in the discharge of their regular duties are required to constantly travel) of the Department of Agriculture during the fiscal year 1913.

A copy of this report has also been transmitted to the President of the Senate.

Very respectfully,

D. F. HOUSTON,
Secretary.

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington to points outside of the District of Columbia during the fiscal year 1913, together with their official titles, destination or destinations of such travel, the business or work on account of which the same was made, and the total expense to the United States charged in each case. (35 Stat. L., p. 244.)

OFFICE OF THE SECRETARY.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-----------------|---|--|---|----------------|---|
| Augusterfer, R. | Mechanic..... | Wellsville, N. Y., and Pittsburgh, Pa. (Oct. 24-29, 1912). | To assist in testing electric generator board of turbo-generator system at Wellsville for the department power plant and to inspect switchboard at Pittsburgh to be used in connection with same. | \$47.98 | Contingent expenses, Department of Agriculture, 1913. |
| Boyle, C. W. | Law clerk..... | St. Louis, Mo. (Apr. 5-12, 1913) | Preparation of defense in case of St. Louis Independent Packing Co. v. D. F. Houston et al. | 88.30 | Meat inspection, B. A. I., 1913. |
| Clark, C. C. | Chief clerk, Department of Agriculture. | Chicago, Ill. (Dec. 4-9, 1912) | To inspect department property and certain exhibit materials. | 74.30 | Contingent expenses, Department of Agriculture, 1913. |
| Do. | do. | Columbia, S. C. (Feb. 3-6, 1913) | To supervise installation of department's exhibit at the Fifth National Corn Show. | 35.55 | Do. |
| Corwin, S. W. | Assistant engineer. | Wellsville, N. Y. (Oct. 24-28, 1912) | To test electric generator board of turbo-generator system for the department power plant. | 38.20 | Do. |
| Do. | do. | Wellsville, N. Y. (Dec. 27-30, 1912) | To test turbine engine under construction for the department power plant. | 32.34 | Do. |
| Cronin, P. D. | Law clerk..... | New York, Binghamton, Buffalo, N. Y.; Detroit, Mich.; Toledo, Ohio; Louisville, Ky. (Nov. 7-22, 1912). | To confer with United States attorneys relative to cases pending under the food and drugs act. | 130.05 | Enforcement of the food and drugs act, 1913. |
| Do. | do. | Philadelphia, Pa.; New York, N. Y.; Boston, Mass. (Dec. 15-23, 1912). | do. | 50.95 | Do. |
| Do. | do. | Springfield, Ill. (Jan. 13-18, 1913) | To confer with the United States attorney relative to cases brought under the food and drugs act. | 73.45 | Do. |
| Gwinn, C. A. | do. | Richmond, Va.; Philadelphia, Pa.; New York, N. Y. (Mar. 11-19, 1913). | To take depositions of witnesses in the case of the United States v. Seven Cases of Buffalo Lithia Water. | 47.65 | Do. |
| Hays, W. M. | Assistant Secretary. | Braddock Heights, Md. (Sept. 4-5, 1912) | To deliver address before Frederick County Farmers' Association. | 4.15 | Contingent expenses, Department of Agriculture, 1913. |
| Do. | do. | Boston, Mass. (Sept. 24-26, 1912) | To deliver address before International Chamber of Commerce on agricultural statistics. | 37.70 | Do. |
| Do. | do. | New Orleans, La. (Nov. 5-12, 1912) | To address Farmers' National Congress and to aid the officers in broadening the plan of organization of the congress. | 75.50 | Do. |
| Do. | do. | New York, N. Y. (Nov. 13-15, 1912) | To deliver an address on agriculture before the international committee of the Y. M. C. A. | 18.20 | Do. |

| | | | | |
|-------------------------|--|---|--------|---|
| Do..... | Chicago, Ill. (Dec. 3-6, 1912)..... | To attend the International Fat Stock Show and to address the convention of cooperating agricultural societies. | 66.75 | Do. |
| Do..... | Columbia, S. C. (Jan. 23-28, 1913)..... | To deliver a series of addresses before the meeting of the American Breeders' Association. | 53.85 | Do. |
| Do..... | Philadelphia, Pa. (Feb. 28-29, 1913)..... | To address committee on agriculture of National Educational Association at Philadelphia. | 21.40 | Do. |
| Houston, D. F..... | New York, N. Y. (Apr. 25-26, 1913)..... | To confer with and instruct the American committee about to depart for Europe to study rural credits. | 18.95 | Do. |
| Jones, Lewis..... | Madison, Wis.; Pittsburgh, Pa. (Mar. 18-23, 1913)..... | To test electric apparatus under construction for the power plant of Department of Agriculture. | 72.70 | Do. |
| Jones, W. P..... | Boston, Mass. (Oct. 1-23, 1912)..... | To confer with United States attorney regarding cases pending under food and drugs act. | 59.90 | Enforcement of the food and drugs act, 1913. |
| Do..... | Lancaster, N. H. (Oct. 7-9, 1912)..... | To consult law officers regarding the institution of proceedings in condemnation for acquiring lands under the Weeks law. | 18.25 | Acquisition of lands for the protection of watersheds of navigable streams. |
| Do..... | New York, N. Y. (Mar. 4, 1913)..... | To perform legal work in connection with the enforcement of the food and drugs act. | 16.30 | Enforcement of the food and drugs act, 1913. |
| Do..... | New York, N. Y. (June 2-5, 1913)..... | To prepare and prosecute cases under the meat inspection law. | 29.90 | Meat inspection, B. A. I., 1913. |
| Klein, M. M..... | Lethbridge, Canada (Oct. 7-Nov. 1, 1912)..... | To assist in installation, demonstration, and care of exhibit by the department at the International Dry Land Congress. | 187.80 | International Dry Land Congress at Lethbridge, Canada, 1913. |
| Knorr, Geo. W..... | Sparks, Md. (Nov. 16, 1912)..... | To address meeting of farmers on the subject of "Breeding and growing potatoes." | 3.19 | Contingent expenses, Department of Agriculture, 1913. |
| Do..... | Columbia, S. C. (Jan. 23-30, 1913)..... | To assist the Assistant Secretary of Agriculture in a series of addresses delivered to the meeting of the National Breeders' Association. | 50.65 | Do. |
| Lamson-Scribner, F..... | Alexandria, Va., and Arlington Farm (64 trips) (Aug. 15-Oct. 3, 1912)..... | To supervise preparation of department's exhibit material for use at International Dry Land Congress. | 17.60 | International Dry Land Congress at Lethbridge, Canada, 1913. |
| Do..... | Lethbridge, Canada (Oct. 7-Nov. 1, 1912)..... | To take charge of department's exhibit at International Dry Land Congress. | 366.55 | Do. |
| Do..... | New York, N. Y. (Apr. 27-30, 1913)..... | To obtain scientific instruments for use in connection with department's exhibit at Tulsa Dry Land Congress. | 37.53 | International Dry Land Congress at Tulsa, Okla., 1913-14. |
| McCabe, Geo. P..... | Ogden, Utah (July 1-Sept. 29, 1912), (trip begun in fiscal year 1912)..... | To take temporary charge of branch office of the Solicitor. | 106.90 | General expenses, Forest Service, 1913 (general administration). |
| Do..... | Albuquerque, N. Mex.; Denver, Colo.; Portland, Ore.; San Francisco, Cal. (Nov. 3-Dec. 30, 1912)..... | To confer with assistants to solicitor relative to Forest Service law work. | 386.80 | Do. |
| Do..... | San Francisco, Cal., and Salt Lake City, Utah (Dec. 6, 1912-Jan. 2, 1913)..... | To confer with State officials relative to enforcement of live-stock laws. | 155.70 | General expenses, B. A. I., 1913 (administrative expenses). |
| Do..... | Ogden to Salt Lake City, Utah, and return (Feb. 13-21, 1913)..... |do..... | 39.20 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

OFFICE OF THE SECRETARY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------------------|----------------------------------|--|---|-------------------|--|
| McCabe, Geo. P. | Special agent and agrostologist. | Chicago, Ill.; Kansas City, Mo.; St. Louis, Mo.; Albuquerque, N. Mex.; Portland, Oreg.; San Francisco, Cal.; Ogden, Utah; Los Angeles, Cal. (Oct. 27-Dec. 16, 1912). San Francisco, Cal. (Feb. 8-26, 1913)..... | To confer with United States attorneys regarding pending food and drug cases. | \$233. 85 | Enforcement of food and drugs act, 1913. |
| Do. | do. | | To take depositions in a case instituted under the food and drugs act. | 247. 95 | Do. |
| McConville, A. H. | Law clerk. | Kansas City, Mo. (Oct. 22-Nov. 5, 1912).... | To attend conference of State officials of Kansas and Oklahoma and United States attorneys of Oklahoma and Missouri relative to prosecution of citizens of Missouri and Kansas for driving quarantined cattle across the State lines. | 114. 40 | General expenses, B. A. I., 1913 (administrative expenses). |
| Do. | do. | Bristol, Va.; Mountain City, Bluff City, Knoxville, Tenn.; Asheville, N. C. (Sept. 15-24, 1912). Atlanta, Ga. (Oct. 15-20, 1912)..... | To confer with record examiners regarding the examination of titles to lands being acquired under the Weeks law. | 81. 05 | Acquisition of lands for protection of watersheds of navigable streams. |
| Do. | do. | | To confer with United States attorneys relative to the acquisition by condemnation of lands in Georgia under the Weeks law. | 66. 15 | Do. |
| Do. | do. | Bristol and Knoxville, Tenn.; Atlanta, Ga.; Asheville, N. C. (Apr. 27-May 7, 1913). Missoula, Mont. (Jan. 28-Mar. 3, 1913)..... | To confer with record examiners regarding the examination of titles to lands being acquired under the Weeks law. | 90. 72 | Do. |
| Quiggle, E. B. | do. | | To take temporary charge of the office of assistant to the Solicitor at Missoula. | 305. 45 | General expenses, Forest Service, 1913 (general administration). |
| Williams, R. W. | do. | Martinsburg, W. Va. (June 30, 1913)..... | To assist United States attorney in presenting to the grand jury cases arising under the Lacey Act. | 4. 26 | General expenses, Bureau of Biological Survey, 1913 (game preservation). |
| Willoughby, Marie. | Agent. | Knoxville, Tenn. (May 17-23, 1913)..... | To address East Tennessee Farmers' Institute on the best methods of presenting household economies in public schools and rural communities. | 41. 30 | Agricultural experiment stations, 1913 (farmers' institutes). |
| Wilson, James. | Secretary of Agriculture. | Bushnell, Huron, Brookings, Deadwood, and Custer, S. Dak. (Aug. 25-29, 1912). Columbia, S. C. (Jan. 31-Feb. 2, 1913)..... | To consult with forest officers regarding execution of laws requiring classification of national forest lands. To deliver an address at the Fifth National Corn Show. | 131. 95 15. 90 | Contingent expenses, Department of Agriculture, 1913. Do. |

WEATHER BUREAU.

| | | | General expenses, Weather Bureau, 1913. | |
|------------------------|--------------------------------------|---|---|--|
| | | | Do. | Do. |
| Bowie, Edward H. | District forecaster | Chicago, Ill. (Nov. 9-20, 1912) | \$93. 60 | To assume temporary charge of station. |
| Burns, Charles T. | Assistant foreman of division. | Baltimore, Md. (Jan. 20, 21, 1913) | 9. 25 | To inspect printing presses and their adaptability for Weather Bureau work. |
| Do. | do. | Richmond, Va.; Norfolk, Va.; Raleigh, N. C.; Atlanta, Ga.; Birmingham, Ala.; Montgomery, Ala.; New Orleans, La.; Galveston, Tex.; Houston, Tex.; Oklahoma, Okla.; Little Rock, Ark.; Memphis, Tenn.; Nashville, Tenn.; Louisville, Ky.; St. Louis, Kansas City, Mo.; Indianapolis, Ind.; and Cincinnati, Ohio (Oct. 25-Dec. 1, 1912). | 344. 35 | To inspect the printing plants at Weather Bureau offices. |
| Covert, Roy N. | Clerk | Mount Weather, Va. (Sept. 4-Nov. 16, 1912). | 73. 00 | To install apparatus and to conduct anemometry investigations. |
| Desmond, Leonard | do. | Philadelphia, Pa. (Oct. 16-20, 1912). | 19. 00 | To perform temporary duty as assistant. |
| Frankenfield, Harry C. | Professor of meteorology. | Chicago, Ill. (Aug. 1-Sept. 30, 1912). | 237. 65 | To assume temporary charge of station. |
| Do. | do. | Chicago, Ill. (Feb. 26-Apr. 26, 1913). | 197. 55 | do. |
| Do. | do. | Mount Weather, Va. (Aug. 15, 1912). | 2. 40 | To carry out special instructions of chief of bureau. |
| Do. | do. | Atlantic City, N. J.; Philadelphia, Pa. (Nov. 20, 21, 1912). | 16. 40 | To inspect glass weather maps and to carry out special instructions in connection with the distribution of forecasts and warnings. |
| Do. | do. | Wilmington, N. C.; Raleigh, N. C.; Norfolk, Va.; Cape Henry, Va. (Jan. 19-Feb. 1, 1913). | 74. 00 | To carry out special instructions in connection with the distribution of forecasts and warnings. |
| Henry, Alfred J. | do. | New Haven, Hartford, Conn.; Albany, Troy, N. Y. (Dec. 26-31, 1912). | 35. 55 | To inspect automatic river gauge at Hartford and to carry out special instructions in connection with river and flood work. |
| Do. | do. | Wagon Wheel Gap, Colo.; Denver, Colo.; Great Bend, Kans.; Wichita, Kans.; and St. Louis, Mo. (Apr. 16-30, 1913). | 179. 40 | To consult Weather Bureau officials relative to river and flood work and progress of special investigations in Rio Grande National Forest. |
| Humphreys, William J. | Professor of meteorological physics. | Cleveland, Ohio (Dec. 28, 1912-Jan. 4, 1913). | 59. 05 | To represent bureau at meeting of American Association for the Advancement of Science. |
| King, Thomas H. | Assistant foreman of division. | New York, N. Y. (Sept. 3-5, 1912). | 18. 65 | To select lithographic stones for use in printing weather maps and charts. |
| Marvin, Charles F. | Professor of meteorology. | Baltimore, Md. (July 10, 1912) | 2. 50 | To inspect anemometer testing machine under construction. |
| Do. | do. | Mount Weather, Va. (July 18, 19, 1912) | 2. 00 | To supervise anemometry investigations. |
| Do. | do. | Mount Weather, Va. (Sept. 4, 1912) | 23. 90 | To install apparatus and conduct anemometer investigations. |
| Do. | do. | Baltimore, Md. (Nov. 22, 1912) | 2. 55 | To inspect kiosks under construction. |
| Do. | do. | Baltimore, Md. (Dec. 30, 1912) | 2. 60 | do. |
| Moore, Theodore T. | Chief of division. | Mount Weather, Va. (Aug. 21, 22, 1912) | 3. 00 | To arrange for improvement of telegraph service between Washington and Mount Weather. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

WEATHER BUREAU—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|----------------------|--|---|----------------|---|
| Moore, Willis L..... | Chief of bureau..... | London, England (July 1-12, 1912; trip begun in previous fiscal year). | To attend, as delegate, International Radiotelegraph Conference. | \$31.17 | General expenses, Weather Bureau, 1913. |
| Do..... | do..... | New York, N. Y., points in Mohawk Valley; Utica, Syracuse, Ithaca, and Binghamton, N. Y. (Aug. 21-28, 1912). | To inspect Central Park Observatory and to confer with geologists and geographers at New York regarding meteorological problems; to study meteorological features of Mohawk Valley; at Syracuse to discuss rainfall problems; to inspect stations at Ithaca and Binghamton. | 90.90 | Do. |
| Do..... | do..... | Trenton, Princeton, N. J. (Sept. 3, 4, 1912)... | To select location for new Weather Bureau station. | 8.40 | Do. |
| Do..... | do..... | Reading and Philadelphia, Pa. (Sept. 19, 20, 1912). | To select office quarters at Reading and deliver address on work of Weather Bureau; to inspect Fairmount Park as site for suburban observatory at Philadelphia. | 27.15 | Do. |
| Do..... | do..... | Indianapolis, Terre Haute, Ind.; St. Louis, Mo.; French Lick, Ind.; Philadelphia, Pa. (Oct. 2-13, 1912). | To consult with official in charge at Indianapolis, Ind., on question of change in office quarters and to address conservation congress; to inspect new station at Terre Haute; to inspect new office quarters at St. Louis; to meet bureau inspectors at French Lick for consultation and to consider advisability of opening special meteorological station at that point; to consult with official in charge at Philadelphia on question of resumption of weather crop report. | 128.05 | Do. |
| Do..... | do..... | New York, Buffalo, N. Y. (Oct. 30-Nov. 3, 1912). | To consult with president and members of Maritime Exchange in New York relative to proposed Weather Bureau station at Sandy Hook, N. J.; to inspect site for proposed special meteorological station at Canisius College at Buffalo. | 55.03 | Do. |
| Do..... | do..... | New York, N. Y., Atlanta, Ga. (Nov. 12-17, 1912). | To address Canadian Club at New York on meteorology; to consult Weather Bureau officials in conference at Atlanta on advisability of recommending resumption of the crop work of the Weather Bureau and the organization of a division of agricultural meteorology in the Weather Bureau. | 90.15 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------------|---|---|---|----------------|---|
| Bell, G. Arthur | Senior animal husbandman. | Front Royal, Va. (Mar. 12, 1913) | To consult animal husbandman in charge concerning work of central horse-breeding district and to inspect the remount stables. | \$5. 05 | Cooperative experiments in animal feeding and breeding, 1913. |
| Do. | do. | Points in New York, Massachusetts, New Hampshire and Vermont (Nov. 20, 1912; Jan. 4, 1913). | To search records of New York customhouse for certificates of animals imported for breeding purposes and to inspect work in animal husbandry. | 264. 72 | General expenses, B. A. I., 1913 (animal husbandry). |
| Benner, Willis G. | Veterinary inspector. | Points in the vicinity of the District of Columbia (Aug. 19, 1912-June 3, 1913). | Testing cattle for tuberculosis. | 347. 59 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do. | do. | Points in vicinity of Brunswick, Md. (Aug. 21-24, 1912). | To investigate a reported disease of swine. | 9. 06 | General expenses, B. A. I., 1913 (diseases of animals). |
| Bowen, John T. | Technologist. | Beltsville, Md. (July 7-11, Aug. 3-12, 21-26, Oct. 12, 15, 19, 21, 23, 1912). | To inspect work at bureau experimental farm. | 13. 47 | General expenses, B. A. I., 1913 (dairy industry). |
| Do. | do. | Ithaca, N. Y. (Oct. 23, 25, 1912). | To make investigations regarding pasteurization of cream. | 27. 66 | Do. |
| Do. | do. | Auburn, Me., and points in Massachusetts and New York (Nov. 21, Dec. 3, 1912). | To examine power plows desired for use at Government experimental farm. | 96. 17 | Do. |
| Do. | do. | Beltsville, Md. (Nov. 5, 1912-May 9, 1913). | To inspect work at experimental farm. | 8. 39 | Do. |
| Do. | do. | Harrisburg, Pa., and Laporte, Ind. (Jan. 8-10, 1913). | To make investigations regarding pasteurization of cream. | 63. 21 | Do. |
| Buckley, J. S. | Assistant pathologist and bacteriologist. | Points in Montana, Wyoming, Kansas, Delaware, and South Carolina (July 19, 1912-Mar. 30, 1913). | To investigate an outbreak among horses of a disease of an obscure nature and collect pathological material for laboratory study. | 48. 00 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Brookbank, R. I. | Veterinary inspector. | Points in vicinity of District of Columbia (July 1, 1912, to June 30, 1913). | To inspect cattle for tuberculosis. | 419. 02 | Do. |
| Chapin, Robert M. | Senior bacteriologist. | Chicago, Ill. (Aug. 10-15, 1912). | To investigate handling of inspected meat in cold-storage warehouses and in refrigerator cars. | 64. 90 | Meat inspection, B. A. I., 1913. |
| Chase, James L. | Clerk. | Points in the United States where bureau offices are located (July 1-23, 1912). | To examine records and accounting systems at bureau field stations. | 151. 55 | Do. |
| Do. | do. | Points in the United States where bureau offices are located (Aug. 18, 1912-Mar. 2, 1913). | do. | 1, 232. 71 | Do. |
| Do. | do. | Points in the United States where bureau offices are located (May 21-June 30, 1913). | do. | 220. 84 | Do. |
| Cook, Lee B. | Dairyman. | Points in vicinity of Parkersburg, W. Va., and Cincinnati, Ohio (Mar. 19-26, 1913). | To inspect dairies and give talks on clean milk. | 61. 60 | General expenses, B. A. I., 1913 (dairy industry). |
| Do. | do. | Points in Maryland and Pennsylvania (Apr. 22-May 31, 1913). | To inspect milk plants, make bacteria plates, and to study milk supply. | 63. 43 | Do. |
| Do. | do. | Johnstown and points in Pennsylvania (June 1-19, 1913). | To investigate Johnstown milk supply. | 108. 58 | Do. |

| | | | | | |
|------------------|----------------------------|--|--|--------|---|
| Do. | do. | Annapolis, Md., Sept. 18, Nov. 27, Dec. 1, 10, 20, 30, 1912; Jan. 9, 13, 1913. | To inspect milk plants. | 28.64 | Do. |
| Do. | do. | Pittsburgh, Pa., and nearby points (Dec. 2-7, 1912). | do. | 42.60 | Do. |
| Do. | do. | Harrisburg, Pa. (Jan. 19-22, 1913). | do. | 16.92 | Do. |
| Do. | do. | Points in State of Michigan (Jan. 31-Feb. 12, 1913). | To score milk and cream and give talks on subjects relating to the dairy industry at meeting of State Dairymen's Association. | 83.77 | Do. |
| Clark, Wm. | do. | Troy, Pa. (Oct. 11-13, 1912). | To repair Government pumping machinery used in dairying investigations. | 21.27 | Do. |
| Cornelson, Thos. | do. | New York, N. Y. (Aug. 5-21, 1912). | To investigate general dairy conditions. | 84.81 | Do. |
| Do. | do. | Milwaukee, Wis. (Sept. 1-25, 1912). | Scoring butter at Wisconsin State Fair. | 104.47 | Do. |
| Do. | do. | Milwaukee, Wis. (Oct. 19-Nov. 6, 1912). | To attend International Dairy Association show and to confer with delegates on dairying matters. | 122.00 | Do. |
| Do. | do. | Hickory, N. C. (Jan. 23-25, 1913). | To investigate dairy conditions. | 28.50 | Do. |
| Do. | do. | Madison, Wis., and near-by points (Jan. 27-Feb. 9, 1913). | do. | 120.67 | Do. |
| Do. | do. | Points in North Carolina, Tennessee, Alabama, Georgia, and Virginia (Mar. 24-Apr. 10, 1913). | To advise the management of the Catawba creamery in matters connected with building new creamery; to investigate dairy conditions and the butter market. | 135.90 | Do. |
| Doane, Chas F. | do. | Bellefonte, Pa., and near-by points (Aug. 7-Sept. 17, 1912). | To conduct experiments in the manufacture of Swiss cheese, and research laboratory work. | 84.68 | Do. |
| Do. | do. | Troy, Pa. (Nov. 10-14, 1912). | To conduct experiments in canning cheese. | 28.77 | Do. |
| Do. | do. | Broadhead and Plymouth, Wis., and Chicago, Ill. (Apr. 27-May 20, 1913). | To study the operations of the cheese board and the manufacture of Swiss cheese. | 101.35 | Do. |
| Dorset, Marion. | Chief, Biochemie Division. | Seattle, Wash., and points in Oregon, California, Utah, Colorado, and Chicago, Ill. (July 7-24, 1912). | To obtain special information relative to meat-inspection service, and attend meeting of national food and dairy departments at Seattle. | 127.73 | Meat inspection, B. A. I., 1913. |
| Do. | do. | New York, N. Y., and Jersey City, N. J. (Oct. 21-22, 1912). | To investigate supply of water used in connection with packing-house work. | 29.97 | Do. |
| Do. | do. | Chicago, Ill. (Nov. 30-Dec. 6, 1912). | To attend meeting of United States Live Stock Sanitary Association and confer with delegates regarding inspection and quarantine work. | 72.80 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do. | do. | Raleigh, N. C.; Chicago, Ill.; and Ames, Iowa (Nov. 7-17, 1912). | To disseminate instructions regarding methods recommended by the department in combating hog cholera, and to inspect bureau laboratories. | 120.09 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do. | do. | Springfield, Ill., and near-by points (Feb. 3-10, 1913). | To address Illinois Live Stock Breeders' Association. | 77.40 | Do. |
| Do. | do. | New York, Philadelphia, and near-by points (Apr. 2-5, 1913). | To investigate the preparation of serums and analogous products for use in treating and preventing diseases in animals. | 33.56 | Do. |
| Do. | do. | Chicago, Ill., and points in Indiana and Ohio (May 18-23, 1913). | To study methods employed by State officials for the eradication of hog cholera. | 72.55 | Do. |
| Do. | do. | Chicago, Kansas City, and Ames, Iowa (June 13-23, 1913). | To inspect establishments engaged in the manufacture of viruses, serums, toxins, and analogous products intended for use in the treatment of domestic animals. | 94.20 | General expenses, B. A. I., 1913 (administrative expenses). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------------|----------------------------|---|---|----------------|---|
| Downing, James E. | Live-stock assistant. | South Omaha, Nebr., and points in the States west of the Mississippi River, and Minnesota, Wisconsin, Illinois, and Indiana (Nov. 1, 1912–Feb. 28, 1913). | To make beef shrinkage investigations. | \$661.34 | General expenses, B. A. I., 1913 (animal husbandry). |
| Ellenberger, W. P. | Veterinary inspector. | Chicago, Ill. (Oct. 23–Dec. 6, 1912). | To attend a conference of State officials and bureau employees regarding interstate movement of southern cattle. | 154.85 | General expenses, B. A. I., 1913 (inspection and quarantine). Do. |
| Do. | do. | St. Louis, Mo., National Stock Yards, Omaha, Sioux City, Louisville, and Cincinnati (June 7–28, 1913). | To inspect stock yards and study transportation inspection and handling of southern cattle. | 171.60 | Do. |
| Farrington, A. M. | Assistant chief of bureau. | Indianapolis, Ind. (Aug. 23–28, 1912). | To investigate the carbon-dioxide process of curing meat. | 52.70 | Meat inspection, B. A. I., 1913. |
| Do. | do. | Points in New York, Michigan, Illinois, Indiana, and Ohio (Feb. 6–Mar. 1, 1913). | To investigate curricula of veterinary colleges to determine whether instruction in veterinary science is sufficient to enable graduates to qualify for positions in this department. | 141.60 | Do. |
| Do. | do. | Cincinnati and various points in State of Ohio (Apr. 20–26, 1913). | do. | 55.05 | Do. |
| Do. | do. | Points in Iowa, Colorado, Kansas, and Illinois (May 25–June 16, 1913). | do. | 169.65 | Do. |
| Forbes, Will. | Dairyman. | Points in Minnesota, Iowa, Nebraska, Kansas, Missouri, Illinois, Michigan, and Ohio (Aug. 20, 1912–May 16, 1913). | To explain cow-testing association work to farmers' meeting, form new testing associations, and supervise the work of old ones. | 1,224.77 | General expenses, B. A. I., 1913 (dairy industry). |
| Do. | do. | Points in Illinois and Iowa (June 7–30, 1913). | To attend cow-testing association meetings, and explain methods worked out by department. | 152.00 | Do. |
| Formad, Robt. J. | Bacteriologist. | Laurel, Md. (July 5, 1912). | To investigate a reported outbreak of diseases in animals. | 1.40 | General expenses, B. A. I., 1913 (diseases of animals). |
| Gallagher, B. A. | Veterinary inspector. | Elkins, W. Va. (Aug. 22–24, 1912). | To investigate an alleged outbreak of Texas fever. | 33.34 | General expenses, B. A. I., 1913 (inspection and quarantine). Do. |
| Do. | do. | Beltsville, Md. (Sept. 4, 1912). | To inspect Government dairy barns and herd. | .57 | Do. |
| Gallagher, Francis L. | do. | Points in vicinity of District of Columbia, Virginia and Maryland (July 1, 1912, June 30, 1913). | To test cattle for tuberculousis. | 484.81 | Do. |
| Goodman, A. M. | Dairyman. | Points in New Jersey, New York, and Vermont (Aug. 19–Oct. 12, 1912). | To make investigations in dairy farming and to attend meetings in the interest of dairy industry. | 189.52 | General expenses, B. A. I., 1913 (dairy industry). |
| Do. | do. | Points in New Jersey, New York, Pennsylvania, and New Hampshire (Aug. 19, 1912–Apr. 30, 1913). | do. | 944.99 | Do. |

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|-------------------|-------------------------------|---|---|--------|---|
| Do. | do. | Amherst and points in Massachusetts and Connecticut (May 1-29, 1913). | To meet officials of Massachusetts State college to discuss plans of future work, and to complete organization of cow-testing associations. | 104.48 | Do. |
| Do. | do. | Beltsville, Md. (May 29, 1913). | To inspect dairy herd on Government farm. | 62 | Do. |
| Do. | do. | Points in New York and New Jersey (June 8-28, 1913). | To address meetings and assist at cow-testing associations. | 8.15 | Do. |
| Graves, Roy R. | do. | Chicago, Ill. (Oct. 23-Nov. 1, 1912). | To attend International Dairy Show and confer with delegates on work of bureau. | 93.25 | Do. |
| Do. | do. | Purcellville, Va. (Dec. 21, 1912). | To attend cow-testing show and deliver address on "Feeding for milk production." | 2.75 | Do. |
| Do. | do. | Annapolis, Md. (Feb. 12, 1913). | To inspect Naval Academy dairy. | 2.25 | Do. |
| Do. | do. | Calverton, Va. (Feb. 26-27, 1913). | To deliver address on "Making dairy farm more profitable." | 3.00 | Do. |
| Hall, Maurice C. | Assistant zoologist | Points in vicinity of Colorado Springs, Colo. (July 1-Oct. 31, 1912). | To conduct investigations of parasitic diseases of domestic animals. | 331.64 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do. | do. | Colorado Springs, Colo. (Apr. 21-June 30, 1913). | do. | 220.80 | Do. |
| Hare, Franklin C. | Junior animal husbandman. | Points in vicinity of District of Columbia (Jan. 1-June 30, 1913). | To make investigations concerning the poultry industry. | 29.76 | General expenses, B. A. I., 1913 (animal husbandry). |
| Heller, L. L. | do. | Beltsville, Md. (Oct. 1-22; Nov. 12, 25; Dec. 3, 1912. Jan. 8, 23, 29; Feb. 1, 7, 18, 25; Mar. 11, 12, 31; Apr. 3-28; May 5-19; June 14, 1913). | To conduct investigations in goat breeding. | 6.34 | Do. |
| Do. | do. | Baltimore, Md. (Dec. 11, 1912). | To inspect Karakule sheep in quarantine; also the Southdown sheep in Pyrudd Hill Park. | 6.40 | Do. |
| Do. | do. | Baltimore, Md. (Feb. 12, 1913). | To weigh and inspect Karakule sheep. | 4.85 | Do. |
| Do. | do. | Baltimore, Md. (Mar. 3, 1913). | To select a ram for the bureau from the importation of Karakule sheep. | 7.80 | Do. |
| Do. | do. | Chicago, Ill. (Apr. 11-17, 1913). | To care for a wool collection offered by the National Wool Warehouse Association. | 57.00 | Cooperative experiments in animal feeding and breeding, 1913. |
| Do. | do. | Points in Tennessee and Kentucky (May 5-June 10, 1913). | To make a canvass of lamb clubs and to study the type of lambs produced. | 181.75 | General expenses, B. A. I., 1913 (animal husbandry). |
| Hickman, R. W. | Chief of Quarantine Division. | Turners, Md. (July 13, 1912). | To inspect a shipment of cattle and to observe progress of work on buildings which are being erected at animal quarantine station. | 3.25 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do. | do. | Calais, Me., and points near by (Aug. 24-30, 1912). | To inspect quarantine stations. | 31.95 | Do. |
| Do. | do. | Turners, Md. (Sept. 14, 1912). | do. | 3.25 | Do. |
| Do. | do. | Philadelphia, Pa., and points in Cape May County, N. J. (Oct. 3-5, 1912). | To investigate a reported outbreak of cerebro-spinal meningitis of horses. | 22.67 | Do. |
| Do. | do. | Turners, Md. (Oct. 11, 1912). | To inspect construction work at quarantine station. | 3.00 | Do. |
| Do. | do. | Turners, Md. (Oct. 25, 1912). | do. | 2.90 | Do. |
| Do. | do. | Baltimore and Turners, Md. (Nov. 13, 1912). | To examine work at quarantine station. | 11.00 | Do. |
| Do. | do. | Turners, Md. (Dec. 11, 1912). | do. | 3.15 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|-------------------------------|---|--|----------------|---|
| Hickman, R. W..... | Chief of Quarantine Division. | Richmond, Va. (Jan. 9-11, 1913)..... | To attend meeting of Virginia Veterinary Medical Association and present paper regarding work of quarantine division and discuss work of tuberculosis in cattle and its control by the application of the tuberculin test. | \$13.15 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do..... | do..... | Turners, Md. (Jan. 23, 1913)..... | To examine work at quarantine station. | 3.55 | Do. |
| Do..... | do..... | New York City and points in Michigan, Indiana, and Ohio (Feb. 6-Mar. 1, 1913). | To inspect conditions at quarantine stations. | 160.08 | Do. |
| Do..... | do..... | Turners, Md. (Apr. 25, 1913)..... | To inspect work at quarantine station. | 3.30 | Do. |
| Do..... | do..... | Turners, Md. (June 11, 1913)..... | do..... | 3.05 | Do. |
| Jesse, Walter B..... | Junior animal husbandman. | Points in vicinity of Beltsville, Md. (Dec. 19-26, 1912. Jan. 2, 3, 9, 10; Apr. 1, 2, 7, 25, 29, 1913). | To conduct investigations in connection with animal husbandry and address farmers' club meeting at Gaithersburg, Md. | 48.48 | General expenses, B. A. I., 1913 (animal husbandry). |
| Keithley, J. R..... | Dairyman..... | Troy, N. Y. (Jan. 15-30, 1913)..... | To investigate the manufacture of butter and determine the effect of boric acid as a preservative. | 34.47 | General expenses, B. A. I., 1913 (dairy industry). |
| Kelly, Ernest..... | do..... | Philadelphia, Pa., Rochester, N. Y., Ithaca, N. Y. (July 8-16, 1912). | To address meeting of certified-milk producers and confer with authorities concerning market milk. | 50.12 | Do. |
| Do..... | do..... | Annapolis, Md. (Aug. 5, Sept. 13, 14, 1912). | To inspect Naval Academy dairy..... | 2.40 | Do. |
| Do..... | do..... | Baltimore, Md. (Sept. 13, 14, 1912)..... | To confer with municipal authorities relative to dairy inspection. | 1.95 | Do. |
| Do..... | do..... | Philadelphia, Pa. (Oct. 1-2, 1912)..... | To confer with a committee of Official Dairy Inspectors' Association on the subject of score cards for dairy farms. | 11.44 | Do. |
| Do..... | do..... | Beltsville, Md. (Oct. 5, 1912)..... | To inspect work at experimental farm..... | .37 | Do. |
| Do..... | do..... | Chicago, Ill. (Oct. 21-31, 1912)..... | To attend the National Dairy Show and confer with delegates on dairy industry questions. | 66.20 | Do. |
| Do..... | do..... | Detroit, Mich. (Nov. 1-14, 1912)..... | To conduct a milk and cream contest under the auspices of the Chamber of Commerce and deliver lecture on clean milk. | 95.25 | Do. |
| Do..... | do..... | Baltimore, Md. (Nov. 14, 15, 1912)..... | To judge milk at meeting of State Dairymen's Association. | 4.96 | Do. |
| Do..... | do..... | Rochester, N. Y. (Nov. 25-27, 1912)..... | To address a meeting on the importance of milk as a food and the importance of dairy inspection. | 28.00 | Do. |
| Do..... | do..... | Jacksonville, Fla., and vicinity (Dec. 13-21, 1912). | To confer with health authorities on dairy inspection; to participate in a milk show and deliver lecture. | 88.45 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work | Total expense. | Appropriation. |
|---------------------|---------------------------|---|--|----------------|--|
| Lamon, Harry M..... | Senior animal husbandman. | Points in Pennsylvania, New Jersey, Ohio, Illinois, Indiana, and Michigan (Dec. 12-20, 1912). | To confer with egg buyers and pure-food commissioners regarding handling of eggs. | \$97.22 | General expenses, B. A. I., 1913 (animal husbandry). |
| Do..... | do..... | Beltsville, Md. (Jan. 10-29, 1913)..... | To conduct investigation in poultry raising... | 4.04 | Do. |
| Do..... | do..... | Points in New York, New Jersey, Pennsylvania, Connecticut, Massachusetts, Ohio, and the Province of Ontario, Canada (Jan. 1-9, 1913). | To obtain information concerning egg work for use in a bureau publication. | 68.01 | Do. |
| Do..... | do..... | Beltsville, Md. (Feb. 3-8, 15-17, 1913)..... | To conduct investigations in poultry raising... | 8.20 | Do. |
| Do..... | do..... | Rochester and Ithaca, N. Y. (Feb. 10-13, 1913). | To secure poultry data through conferences with egg buyers and poultry breeders; and to represent department at the dedication of a new poultry building at the New York State College of Agriculture of Cornell University. | 32.02 | Do. |
| Do..... | do..... | Middlebury, Vt., and points in Pennsylvania and Ohio (Feb. 19-25, 1913). | To confer with egg buyers and poultry breeders. | 73.06 | Do. |
| Do..... | do..... | Beltsville, Md. (Mar. 5, 11, 18, 1913)..... | To conduct investigations in poultry raising... | 20 | Do. |
| Do..... | do..... | Points in vicinity of Richmond, Va. (Mar. 12-16, 1913). | To inspect work in connection with organization of girls' poultry clubs. | 22.67 | Do. |
| Do..... | do..... | Beltsville, Md. (Apr. 10, 21, 24, 29, 1913)... | To conduct investigations in poultry raising... | .60 | Do. |
| Do..... | do..... | Richmond, Va. (Apr. 17, 18, 1913)..... | To organize girls' poultry clubs..... | 13.55 | Do. |
| Do..... | do..... | Harpers Ferry, W. Va., and Winchester, Va. (Apr. 25, 26, 1913). | do..... | 8.95 | Do. |
| Do..... | do..... | Beltsville, Md. (May 2, 5, 10, 12, 13, 31; June 2, 3, 12, 20, 1913). | To conduct experiments in poultry raising.... | 1.92 | Do. |
| Do..... | do..... | Hattiesburg, Miss., and points in Alabama, Georgia, and North Carolina (June 4-11, 1913). | To organize girls' poultry clubs..... | 95.03 | Do. |
| Do..... | do..... | Richmond and points in Virginia (June 24-25, 1913). | do..... | 14.55 | Do. |
| Do..... | do..... | Beltsville, Md. (Aug. 23, 27, 30, 1912; Aug. 3, 6, 10, 13, 17, 24, 25, 27, 1912). | To conduct experiments in poultry raising.... | 4.18 | Do. |
| Do..... | do..... | Greenwood, Mass., and points in Massachusetts, Rhode Island, Connecticut, New York, Pennsylvania, New Jersey, Delaware, and Maryland (Aug. 5-20, 1912). | To obtain information on poultry-house construction to be used in connection with department publication on the subject. | 147.91 | Do. |
| Do..... | do..... | Beltsville, Md. (Oct. 1, 1912-June 30, 1913). | To conduct experiments in poultry raising.... | 30.52 | Do. |
| Do..... | do..... | Chicago and points in Kansas (Feb. 6-15, 1913). | To secure data regarding the fattening of poultry. | 106.04 | Do. |

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|-------------------------|-------------------------------|--|--|------------|---|
| Lindberg, O. E..... | Veterinary inspector.. | Points in Virginia, Maryland, and District of Columbia (Oct., 1912-June 30, 1913). | Testing cattle for tuberculosis..... | 527. 00 | General expenses, B. A. I., 1913 (inspection and quarantine) |
| Liverance, W. B..... | Dairyman..... | Points in Maryland and Virginia (Oct. 16, 1912-June 14, 1913). | To inspect work at dairies, consult with dairy and food commissioners, attend meetings of dairymen, score milk and butter, and deliver addresses on subjects relating to dairy industry. | 484. 80 | General expenses, B. A. I., 1913 (dairy industry). |
| McBryde, C. N..... | Senior bacteriologist... | Winchester, Va. (Aug. 2-3, 1912)..... | To investigate an alleged outbreak of disease among hogs. | 11. 29 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do..... | do..... | New Orleans, La. (Dec. 12-22, 1912)..... | To appear as witness in case involving alleged violation of meat-inspection law. | 44. 80 | Meat inspection, B. A. I., 1913. |
| McClain, J. H..... | Dairyman..... | Points in Tennessee, Kentucky, Virginia, Maryland, North Carolina, South Carolina, Mississippi, Georgia, Alabama, Louisiana, Texas, and Florida (July 1, 1912-June 30, 1913) | To supervise and conduct dairy farming investigations, instruct employees regarding construction of concrete silo, and to lecture on dairying. | 1, 449. 82 | General expenses, B. A. I., 1913 (dairy industry). |
| McKeown, T. H..... | Veterinary inspector.. | Points in vicinity of District of Columbia, Maryland, and Virginia (July 1, 1912-June 30, 1913). | Testing cattle for tuberculosis..... | 441. 26 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Mansfield, Chas. M..... | do..... | Five Oaks, Va. (Nov. 26, 1912)..... | To investigate reported outbreak of diseases of animals. | . 60 | General expenses, B. A. I., 1913 (diseases of animals). |
| Melvin, A. D..... | Chief of bureau..... | New York, N. Y. (Aug. 3-Sept. 5, 1912)... | To investigate conditions and work of meat inspection. | 16. 50 | Meat inspection, B. A. I., 1913. |
| Do..... | do..... | Chicago, Ill. (Oct. 24-Nov. 3, 1912)..... | To attend meeting of International Milk Dealers' Association. | 44. 20 | Do. |
| Do..... | do..... | Raleigh, N. C. (Nov. 7-9, 1912)..... | To attend meeting of Association of Southern Agricultural Workers. | 44. 70 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do..... | do..... | Cleveland, Ohio (Nov. 19-25, 1912)..... | To investigate shipments of cattle under 28-hour law. | 89. 85 | Do. |
| Do..... | do..... | Chicago, Reno, Sacramento, San Francisco, Los Angeles, Salt Lake, and Denver (Nov. 30-Dec. 24, 1912). | To attend meeting of United States Live Stock Sanitary Association and International Live Stock Exposition at Chicago, and inspect work carried on at the various bureau stations. | 353. 40 | Do. |
| Do..... | do..... | El Paso and Fort Worth, Tex.; Little Rock, Ark.; and Memphis, Tenn. (Mar. 14-25, 1913) | To attend meeting of Texas Cattle Raisers' Association at El Paso, Tex., and inspect bureau work. | 86. 35 | Do. |
| Do..... | do..... | Chicago; Lafayette, Ind.; and Columbus, Ohio (May 18-24, 1913). | To attend conferences with State officials concerning the eradication of hog cholera. | 73. 30 | Do. |
| Middleton, W. G..... | Veterinary inspector.. | Points in vicinity of District of Columbia, Maryland, and Virginia (July 1, 1912-June 30, 1913). | Testing cattle for tuberculosis..... | 640. 29 | Do. |
| Mohler, J. R..... | Chief, Pathological Division. | Philadelphia, Glen Olden, Pa., and points in New York (Aug. 2-31, 1912). | To investigate contagious abortion of cattle and glanders in horses. | 111. 01 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do..... | do..... | Points in New Jersey and Pennsylvania (Sept. 6-Oct. 12, 1912). | To investigate disease prevalent among horses.. | 35. 48 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|--------------------|-------------------------------|--|---|----------------|---|
| Mohler, J. R. | Chief, Pathological Division. | Annapolis, Md. (Oct. 12, 1912) | To investigate prevalence of infectious abortion among cattle. | \$1.50 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do | do | Philadelphia, Pa. (Nov. 5, 6, and 23, 1912). | To investigate diseases among cattle. | 19.69 | Do. |
| Do | do | Chicago, Ill., St. Paul, Minn. (Nov. 30, Dec. 8, 1912). | To attend meeting of Live Stock Sanitary Association and confer with State authorities regarding manufacture of hog serum. | 56.45 | Do. |
| Do | do | Philadelphia, Pa., Athens, N. J. (Dec. 28, 1912-Jan. 2, 1913). | To confer with bureau employees and with a member of the Pennsylvania Live Stock Sanitary Association concerning the study of forage poisoning of horses. | 46.75 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do | do | Wilmington, Del. (Jan. 16, 17, 1913) | To attend the State Veterinary Medical Association for the purpose of discussing the subject of forage poisoning and cerebrospinal meningitis of horses. | 49.73 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do | do | Harrisburg, Pa. (Jan. 21, 22, 1913) | To investigate contagious abortion among cattle. | 5.15 | Do. |
| Do | do | Points in New York and Pennsylvania (Apr. 2-29, 1913). | To attend a meeting at the Henry Phipp Institution for the study of prevention of tuberculosis. | 5.10 | Do. |
| Do | do | Laurel, Md. (May 13, 1913) | To inspect a dairy herd. | 38.83 | Do. |
| Do | do | Philadelphia and Marietta, Pa. (May 28-June 1, 1913) | To investigate methods employed in preparation of antirabies vaccine. | 12.46 | Do. |
| Do | do | Kansas City, St. Joseph (June 14-24, 1913). | To inspect commercial establishments which are preparing biological products for use in treatment and prevention of animal diseases. | 1.60 | Do. |
| Norton, Raymond P. | Dairymen | Beltsville, Md. (Oct. 7-21, 1912) | To collect samples of dairy products for laboratories in Washington. | 22.82 | Do. |
| Parks, G. H. | Architect | Wilmington, Del. (July 19, 20, 1912) | To confer with employee of bureau regarding sanitation in an official meat-inspection establishment. | 120.43 | General expenses, B. A. I., 1913 (administrative expenses). |
| Do | do | New York, N. Y. (Jan. 19-22, 1913) | To confer with inspectors in charge relative to meat inspection is conducted. | 4.02 | General expenses, B. A. I., 1913 (dairy industry). |
| Do | do | New York, N. Y. (Feb. 5-7, 1913) | To inspect an official meat-inspection establishment to determine what changes were necessary to conform to regulations, | 11.05 | Meat inspection, B. A. I., 1913. |
| Do | do | | | 27.00 | Do. |
| Do | do | | | 21.54 | Do. |

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| Do. | do. | Providence, R. I., and Boston, Mass., and vicinity (Feb. 23-Mar. 6, 1913). | To make inspections of the sanitary condition of official meat-inspection establishments. | 86.25 | Do. |
| Do. | do. | New York, N. Y., and Jersey City, N. J. (Mar. 11-13, 1913). | To confer with the management of packing companies regarding necessary changes in the construction of establishments. | 16.39 | Do. |
| Do. | do. | Points in Ohio, West Virginia, Indiana, and Kentucky (Apr. 14-May 4, 1913). | To inspect buildings in flooded area where meat inspection is under Federal supervision. | 106.05 | Do. |
| Do. | do. | Chicago, Ill. (May 11-17, 1913). | To make an inspection of sanitary conditions of certain abattoirs. | 80.10 | Do. |
| Parks, Karl E. | Engineer | Beltsville, Md. (July 2, 1912-June 28, 1913). | To supervise construction of buildings used in connection with dairy investigations. | 35.02 | General expenses, B. A. I., 1913 (dairy industry). |
| Pike, A. B., jr. | Dairymen | Points in New Jersey and Pennsylvania (July 1-6, 1912). | To purchase cows for experimental purposes at the bureau farm, Beltsville, Md. | 16.23 | Do. |
| Do. | do. | Beaton, Va., and points in vicinity (July 15-18, 1912). | To give advice and assistance in construction of a concrete silo to be erected by local parties and utilized for dairying purposes. | 7.10 | Do. |
| Do. | do. | Midland, Nokesville, and Lincoln, Va. (July 24-29, 1912). | do. | 55.96 | Do. |
| Do. | do. | Bluemont and other points in Virginia (Aug. 5-31, 1912). | To conduct dairy farming investigations. | 81.15 | Do. |
| Do. | do. | Richmond and points in vicinity (Oct. 7-31, 1912). | To assist with exhibits in dairy and food divisions of the Virginia State Fair. | 69.30 | Do. |
| Do. | do. | Charlottesville, Va., and points in vicinity (Nov. 6-29, 1912). | To conduct dairy farming investigations. | 62.90 | Do. |
| Do. | do. | Richmond Va., and points in vicinity (Dec. 3-22, 1912). | do. | 49.55 | Do. |
| Do. | do. | Charlottesville, Va., and points in vicinity (Jan. 2-Feb. 1, 1913). | do. | 87.92 | Do. |
| Do. | do. | Charlottesville, Va., and points in vicinity (Feb. 10-28, 1913). | To conduct dairy field work, including record work, inspection of dairy buildings, and attendance at meetings. | 50.49 | Do. |
| Do. | do. | Charlottesville, Va., and points in vicinity (Mar. 10-29, 1913). | To conduct dairy farming investigations. | 71.94 | Do. |
| Do. | do. | Richmond, Va., and points in vicinity (Apr. 1-30, 1913). | To assist in organization of Richmond and Loudoun Valley cow-testing associations and conduct dairy farming investigations. | 57.70 | Do. |
| Do. | do. | Richmond, Va., and points in vicinity (May 1-21, 1913). | To investigate dairy farming, herd management, and give advice on dairy buildings. | 72.31 | Do. |
| Do. | do. | Culpeper, Va. (June 3-4, 1913). | To attend dairymen's meetings and general dairy extension work. | 6.35 | Do. |
| Do. | do. | Gordonsville, Va. (June 28, 1913). | To attend dairymen's meetings and general dairy extension work. | 4.00 | Do. |
| Firtle, T. R. | Clerk | New York, Boston, and points in Maine (Nov. 21-Dec. 3, 1912). | To conduct dairy manufacturing investigations | 86.62 | Do. |
| Fistor, A. J. | Associate chief, Meat Inspection Division. | Baltimore, Md. (Mar. 29, 1913). | To investigate the disposition of hog carcasses damaged by fire in an official meat inspection establishment. | 1.60 | Meat inspection, B. A. I., 1913. |
| Do. | do. | New York, N. Y. (June 15-30, 1913). | To supervise local meat inspection service pending the selection of a permanent inspector. | 93.55 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------|---------------------------------------|--|---|----------------|---|
| Pope, Geo. W. | Assistant chief, Quarantine Division. | Philadelphia, Pa. (July 2, 3, 1912). | To test animals with tuberculosis. | \$10.91 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do. | do. | Middlebury, Vt. (Sept. 24-26, 1912). | To assist in the work of disinfecting the stables at Morgan horse farm. | 21.12 | Cooperative experiments in animal feeding and breeding, 1913. |
| Do. | do. | Middlebury, Vt. (Oct. 4-7, 1912). | do. | 24.28 | Do. |
| Do. | do. | Beltsville, Md. (Oct. 28, 1912). | To inspect dairy experimental farm. | 1.02 | General expenses, B. A. I., 1913 (dairy industry). |
| Do. | do. | Baltimore and Eccleston, Md. (Nov. 20, 21, 1912). | To test animals with tuberculosis. | 2.78 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Potteiger, C. R. | Dairyman. | Troy, Pa. (July 30, 31; Aug. 2-20; Sept. 6-30; Oct. 5, 1912). | To conduct dairy research laboratory work. | 35.24 | General expenses, B. A. I., 1913 (dairy industry). |
| Rabild, Helmer. | do. | Wichle, Va. (Sept. 30, 1912). | To advise local interests regarding dairy barns. | 1.35 | Do. |
| Do. | do. | Dallas, Tex. (Oct. 10-21, 1912). | To hold herd demonstration at Dallas State Fair. | 40.95 | Do. |
| Do. | do. | Points in Illinois, Michigan, Wisconsin, and Iowa (Oct. 22-Nov. 13, 1912). | To inspect bureau dairy work, supervise the inauguration of cow-testing associations, and to deliver two addresses. | 141.44 | Do. |
| Do. | do. | Points in Tennessee, Iowa, and Texas (Apr. 1-15, 1913). | To confer with bureau employees in reference to cow-testing association work, and construction of silos in connection with dairying investigations. | 167.26 | Do. |
| Do. | do. | Lancaster, Pa. (Apr. 23-24, 1913). | To address Lancaster County Dairy Association on phases of the dairy industry. | 8.45 | Do. |
| Do. | do. | Knoxville, Tenn. (May 19-22, 1913). | To address East Tennessee Farmers' Convention on cow-testing associations. | 42.20 | Do. |
| Ramsey, R. A. | Chief, Field Inspection Division. | Chicago, Ill., and points in California, Salt Lake City, and Denver (Dec. 1-24, 1912). | To attend the United States Live Stock Sanitary Association at Chicago and to confer with bureau employees and State officials regarding transportation of cattle. | 322.30 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do. | do. | Ill., and Phoenix, Ariz., showing the life history of Texas-fever cattle tick and the means adopted by bureau for its eradication. | To exhibit moving picture films at Chicago, Ill., and Phoenix, Ariz., showing the life history of Texas-fever cattle tick and the means adopted by bureau for its eradication. | 25.00 | General expenses, B. A. I., 1913 (eradication of ticks). |
| Do. | do. | Points in Illinois, Iowa, Nebraska, Wyoming, Colorado, New Mexico, Arizona, Texas, Kansas, Missouri, and Ohio (Jan. 6-29, 1913). | To obtain information concerning progress of inspection and quarantine work of bureau; to attend meeting of National Wool Growers' Association, Cheyenne, Wyo., and National Live Stock Association, Phoenix, Ariz. | 302.75 | General expenses, B. A. I., 1913 (inspection and quarantine). |

| Do. | Do. | New York, N. Y. (Feb. 5, 1913) | To attend State conference of New York Milk Committee and confer with officials thereof concerning tuberculosis testing. | 29.35 | Do. |
|---------------|-----------------------------|--|---|--------|---|
| Do. | Do. | El Paso, Tex., and points in Illinois, Iowa, Kansas, Missouri, Texas, Arkansas, Georgia, and Tennessee (Mar. 14-25, 1913). | To supervise bureau work pertaining to cattle tick eradication and attend meeting of Texas Cattle Raisers' Association at El Paso. | 189.55 | General expenses, B. A. I., 1913 (eradicating of cattle ticks). |
| Do. | Do. | Miles City, Mont.; Denver, Colo.; Wyoming, Nebraska, Colorado, and Omaha (Apr. 10-25, 1913). | To attend Montana Stock Growers' Association at Miles City, Mont., and to confer with bureau employees and association officials relative to scabies eradication. | 205.01 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Ransom, B. H. | Chief, Zoological Division. | Chicago, Ill. (July 20-Aug. 5, 1912) | To investigate parasitic diseases of live stock, particularly tapeworm cysts in sheep. | 99.05 | Meat inspection, B. A. I., 1913. |
| Do. | Do. | Points in States of Montana, Colorado, Oregon, and Utah (Aug. 5-Oct. 28, 1912). | To attend a meeting of United States Live Stock Sanitary Association, visit stock yards and collect information relative to parasitic diseases of live stock. | 484.47 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do. | Do. | Chicago, Ill. (Dec. 1-8, 1912) | To address American Jersey Cattle Club on dairy industry. | 79.75 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Rawl, B. H. | Chief, Dairy Division. | New York, N. Y. (Mar. 28-Apr. 21, 1913). | To inspect dairy work at experimental farm.... | 49.80 | General expenses, B. A. I., 1913 (dairy industry). |
| Do. | Do. | Beltsville, Md. (Apr. 22, 1913) | To address Holstein-Friesian Association of America regarding the dairy industry. | 35 | Do. |
| Do. | Do. | Syracuse, N. Y. (June 2-4, 1913) | To make a general inspection of dairy industry work and to confer with State dairy officials in coast States relative to cooperative work to be inaugurated at Chicago, Ill.; confer with bureau employees regarding renovated butter inspection. | 46.05 | Do. |
| Do. | Do. | Points in Illinois, Michigan, Montana, Washington, Oregon, California, Idaho, Colorado, Nebraska, South Dakota, and Utah (July 1-Aug. 17, 1912). | To inspect work at experimental farm..... | 264.26 | Do. |
| Do. | Do. | Beltsville, Md. (Aug. 19, 1912) | To attend the National Dairy Show and International Dairy Show and direct the educational features connected with these shows. | | Do. |
| Do. | Do. | Chicago, Ill. (Oct. 23-Nov. 1, 1912) | To inspect dairy experimental and demonstration work. | 132.21 | Do. |
| Do. | Do. | Raleigh, N. C., Atlanta, Ga., and New Orleans, La. (Nov. 7-19, 1912). | To address Minnesota Butter & Cheese Association at St. Paul on dairy industry, and confer with bureau employees regarding progress of dairy work. | 114.09 | Do. |
| Do. | Do. | Chicago, Ill., Jamesville, Wis., and St. Paul, Minn. (Dec. 6-19, 1912). | To attend meeting of farmers at State College, Pa., and advise regarding dairy work. | 7.70 | Do. |
| Do. | Do. | Bellefonte, Pa. (Dec. 27, 28, 1912) | Address at National Corn Show on dairy industry. | 11.80 | Do. |
| Do. | Do. | Columbia, S. C. (Jan. 28-Feb. 2, 1913) | To address Milwaukee Butter Makers' Association. | 112.30 | Do. |
| Do. | Do. | Milwaukee, Wis. (Feb. 3-11, 1913) | To conduct experiments in butter making in cooperation with local creamery. | 26.57 | Do. |
| Rogers, L. A. | Senior dairymen. | Williamsport, Pa. (Sept. 10-18, 1912) | To study cooperative butter making at the Troy Creamery. | 21.52 | Do. |
| Do. | Do. | Troy, Pa. (Oct. 19, 20, 1912) | To address bacteriological society concerning the dairy industry. | 47.27 | Do. |
| Do. | Do. | Points in vicinity of Troy, Pa., and New York (Dec. 2, 1912-Jan. 2, 1913). | To consult with creamery company relative to continuance of cooperative butter making. | 29.87 | Do. |
| Do. | Do. | Troy, Pa. (Apr. 3, 4, 1913) | | | |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|-----------------------------------|--|---|----------------|---|
| Rommel, Geo. M..... | Chief, Animal Husbandry Division. | Beltsville, Md. (July 2, 30; Aug. 6, 8, 22; Oct. 17, 22; Nov. 24, 1912; Jan. 8, 29; Mar. 18, 19; Apr. 18, 1913). | To inspect animal-husbandry work and conditions at experimental farm. | \$2. 60 | General expenses, B. A. I., 1913 (animal husbandry). |
| Do..... | do..... | Points in Minnesota, Nebraska, Wyoming, Colorado, Illinois, New York, Ohio, and Kentucky (Sept. 7-30, 1912). | To inspect sheep in bureau's breeding experiments, and to consult various persons regarding plans for proposed work in breeding horses for military purposes. | 208. 39 | Cooperative experiments in animal feeding and breeding, 1913. |
| Do..... | do..... | Leesburg, Va. (Aug. 13, 1912)..... | To inspect mares owned by the Government for breeding purposes. | 1. 40 | General expenses, B. A. I., 1913 (animal husbandry). |
| Do..... | do..... | Richmond, Va. (Oct. 9, 10, 1912)..... | To consult with persons interested in breeding horses for military purposes. | 4. 25 | Cooperative experiments in animal feeding and breeding, 1913. |
| Do..... | do..... | Lexington, Va. (Oct. 17-21, 1912)..... | To inspect stallion for horse-breeding experiment. | 55. 25 | Do. |
| Do..... | do..... | Front Royal, Va. (Nov. 21, 1912)..... | To consult with bureau officials regarding horse-breeding experiments. | 6. 50 | Do. |
| Do..... | do..... | Middlebury, Vt. (Nov. 25-30, 1912)..... | do..... | 24. 64 | Do. |
| Do..... | do..... | Points in Illinois and Kentucky (Dec. 1-15, 1912). | To attend International Live Stock Association meeting at Chicago, and to purchase horses for Army horse-breeding purposes. | 175. 28 | Do. |
| Do..... | do..... | Leesburg, Va. (Jan. 15, 1913)..... | To purchase forage for use at Front Royal horse-breeding station. | 1. 40 | General expenses, B. A. I., 1913 (animal husbandry). |
| Do..... | do..... | Front Royal, Va. (Jan. 10, 1913)..... | To note progress of Army horse-breeding experiments. | 6. 30 | Cooperative experiments in animal feeding and breeding, 1913. |
| Do..... | do..... | Charleston, S. C. (Jan. 22-25, 1913)..... | do..... | 44. 75 | Do. |
| Do..... | do..... | Points in New York, Ohio, Kentucky, Illinois, Vermont, Massachusetts, and New Hampshire (Feb. 2-26, 1913). | To purchase horses for the proposed breeding work for military purposes, and to attend a farmers' institute held at Morgan horse farm, Middlebury, Vt. | 195. 73 | Do. |
| Do..... | do..... | Chicago, Ill. (Apr. 13-18, 1913)..... | To examine wool collection offered to bureau by National Wool Warehouse Association, and to select a Percheron stallion for Government breeding experiments. | 74. 09 | Do. |
| Do..... | do..... | Front Royal, Va. (May 12, 1913)..... | To note progress of Army horse-breeding experiments. | 5. 65 | Do. |
| Do..... | do..... | Pittsburgh, New York, Vermont, and Massachusetts (June 1-6, 1913)..... | To inspect sheep, goat, and horse breeding work. | 68. 35 | Do. |
| Russell, Geo. H..... | Clerk..... | Baltimore, Philadelphia, New York, and Chicago (Feb. 5-19, 1913). | To standardize meat-inspection forms..... | 92. 81 | Meat inspection, B. A. I., 1913. |

| Shaw, E. L. | Senior animal husbandman. | Beltsville, Md. (July 8-18; Aug. 6; Oct. 1; Nov. 12, 16, 19, 1912; Jan. 9, 29; Feb. 1, 7, 25; Mar. 5, 11, 12, 18; Apr. 3, 24, 1913). | To conduct sheep and goat breeding investigations. | 3. 45 | General expenses, B. A. I., 1913 (animal husbandry). |
|---------------------|---------------------------|--|--|---------|---|
| Do. | Do. | Points in New York, Ohio, Vermont, Toronto, Canada (Aug. 17-Sept. 4, 1912). | To purchase sheep to be used in the bureau's sheep-breeding experiments at the Morgan horse farm. | 133. 64 | Cooperative experiments in animal feeding and breeding, 1913. |
| Do. | Do. | Laramie and points in Wyoming and Oregon (Oct. 12-Nov. 2, 1912). | To select sheep for breeding experiments and secure data for publication. | 300. 90 | Do. |
| Do. | Do. | Chicago, Ill. (Nov. 29-Dec. 8, 1912). | To obtain information for bureau bulletins from sheep breeders at International Live Stock Exposition. | 90. 25 | General expenses, B. A. I., 1913 (animal husbandry). |
| Do. | Do. | Baltimore, Md. (Dec. 11, 1912). | To inspect an importation of Karakule sheep. | 4. 25 | Do. |
| Do. | Do. | Baltimore, Md. (Feb. 12, 1913). | To secure photographs of Karakule sheep in quarantine, determine the weight of sheep, and obtain samples of wool. | 5. 26 | Do. |
| Do. | Do. | Middlebury, Vt. (Feb. 19-24, 1913). | To attend farmers' institute and to conduct a judging demonstration with Southdown sheep. | 45. 99 | Cooperative experiments in animal feeding and breeding, 1913. |
| Do. | Do. | Columbus, Ohio, New York, and Vermont (Apr. 7-21, 1913). | To attend sheep-shearing festival at Ohio State University and secure information from sheep breeders regarding different breeds of sheep. | 85. 26 | Do. |
| Shore, Howard J. | Bacteriologist. | Points in vicinity of Ames, Iowa (Aug. 3-Dec. 1, 1912). | To conduct experiments in hog cholera. | 318. 34 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do. | Do. | Vienna, Va. (Dec. 13, 1912). | To investigate reported outbreak of disease among hogs. | . 75 | Do. |
| Do. | Do. | Beltsville, Md. (Dec. 17, 1912-Jan. 2, 1913). | To administer serum treatment to hogs. | 1. 14 | Do. |
| Do. | Do. | Falls Church, Va. (May 21, 1913). | To investigate reported outbreak of disease among hogs. | 1. 40 | Do. |
| Do. | Do. | Columbus, Ohio, Lafayette, Ind., Springfield, Ill., and Kansas City, Mo. (June 10-30, 1913). | To study methods of producing antihog cholera serum used by State institutions and to inspect private establishments producing viruses, serums, and toxins for use in the treatment of domestic animals. | 158. 91 | General expenses, B. A. I., 1913 (administrative expenses). |
| Smith, H. E. | Veterinary inspector. | Points in vicinity of District of Columbia, Maryland, and Virginia (July 1, 1912; May 5, 1913). | To test cattle for tuberculosis. | 315. 49 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Smith, Wm. H. | Do. | Chicago, Ill. (July 20-26, 1912). | To conduct meat-inspection investigations. | 74. 95 | Meat inspection, B. A. I., 1913. |
| Do. | Do. | Baltimore, Md. (Nov. 6-7, 1912). | To investigate the manufacture and handling of uninspected oleostearin. | 9. 90 | Do. |
| Thompson, Sidney C. | Dairyman. | Troy and points in Pennsylvania and New York (Aug. 13-19, 1912). | To confer with bureau employees regarding cooperative butter making. | 31. 32 | General expenses, B. A. I., 1913 (dairy industry). |
| Do. | Do. | Boston, Mass., and points in Vermont (Aug. 30-Sept. 20, 1912). | To investigate the manufacture and marketing of condensed milk. | 66. 50 | Do. |
| Do. | Do. | Troy, Pa. (Oct. 19-21, 1912). | To inspect creameries and investigate creamery conditions. | 20. 87 | Do. |
| Do. | Do. | Points in Minnesota, Iowa, Kansas, Oklahoma, Mississippi, and Texas (Nov. 1-17, 1912). | To confer with creamery managers and give advice concerning dairy manufacturing investigations. | 95. 25 | Do. |
| Do. | Do. | Boston, Mass., and Auburn, Me. (Dec. 11-17, 1912). | To address Maine Dairywomen's Association on "Production, care, and use of milk." | 55. 90 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ANIMAL INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|---------------------|---------------------------|--|---|----------------|---|
| Thompson, Sydney C. | Dairymen. | Milwaukee, Wis. (Jan. 8-13, 1913)..... | To address Wisconsin Cheese Making Association on "Educational work among cheese-factory patrons." | \$70.83 | General expenses, B. A. I., 1913 (dairy industry). |
| Do. | do. | Troy, Pa. (Apr. 7-9, 1913)..... | To confer with bureau employees regarding investigations in butter manufacture. | 7.10 | Do. |
| Do. | do. | Philadelphia, Pa. (Apr. 22-26, 1913)..... | To confer with the Pennsylvania commissioner of agriculture regarding cooperative work at the Troy creamery. | 47.03 | Do. |
| Do. | do. | Houston, Tex., and points in Illinois, Iowa, Minnesota, and Kansas (May 7-24, 1913). | To confer with bureau employees, State dairy officials, and creamery owners and managers concerning dairy manufacturing investigations. | 194.81 | Do. |
| Do. | do. | Troy, Pa., and points in New York (June 10-13, 1913). | To confer with bureau employees regarding inspection of renovated-butter factories and to inspect cooperative butter-making investigations. | 30.01 | Do. |
| Tilley, F. W. | Bacteriologist. | New York, N. Y. (Sept. 23-26, 1912)..... | To appear before the grand jury in case arising under the insecticide act of 1910. | 26.15 | Enforcement of the insecticide act, 1913. |
| Traum, Jacob. | Veterinary inspector. | Beltsville, Md. (Aug. 9, 1912)..... | To examine injured horse at Government experimental farm. | .40 | General expenses, B. A. I., 1913 (animal husbandry). |
| Do. | do. | Bluemont, Va. (Aug. 21, 1912)..... | To conduct experiments in connection with infectious abortion of cattle. | 2.35 | General expenses, B. A. I., 1913 (diseases of animals). |
| Do. | do. | Purcellville, Va. (Jan. 8, 1913)..... | do. | 1.75 | Do. |
| Do. | do. | Wichle, Va. (Jan. 25, 1913)..... | do. | .80 | Do. |
| Do. | do. | Laurel, Md. (Apr. 2, 1913)..... | do. | .62 | Do. |
| Do. | do. | Purcellville, Va. (Apr. 25-26, 1913)..... | do. | 2.05 | Do. |
| Do. | do. | Purcellville, Va. (June 11, 1913)..... | do. | 1.75 | Do. |
| Wade, W. H. | Skilled laborer. | Points in District of Columbia, Maryland, and Virginia (July 1, 1912-June 30, 1913). | To conduct cooperative tuberculosis investigations. | 183.60 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Ward, W. F. | Junior animal husbandman. | Points in Georgia, Alabama, Mississippi, and North Carolina (Feb. 5-20, 1913). | To determine the feasibility of continuing cooperative work in beef production with the State colleges and to discuss with the extension departments the organization of boys' pig clubs. | 152.88 | General expenses, B. A. I., 1913 (animal husbandry.) |
| Do. | do. | Points in Tennessee, Mississippi, Alabama, and Georgia (May 12-26, 1913). | To study tick eradication work..... | 124.78 | General expenses, B. A. I., 1913 (eradicating cattle ticks) |
| Washburn, Henry J. | Senior bacteriologist. | Beltsville, Md. (July 1-3, 1912)..... | To examine injured animal at Government experimental farm. | .80 | General expenses, B. A. I., 1913 (animal husbandry). |

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|------------------------|---------------------------|--|--|--------|---|
| Williams, Owen E..... | Dairymen..... | Charlottesville, Va. (Dec. 12-14, 1912)..... | To inspect ice-cream plants..... | 13.90 | General expenses, B. A. I., 1913 (dairy industry). |
| Do..... | do..... | Lynchburg, Va., and near-by points (May 19-24, 1913)..... | To conduct experiments in the manufacture of ice cream..... | 35.45 | Do. |
| Do..... | do..... | Lynchburg, Va. (June 16-20, 1913)..... | do..... | 20.46 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Winant, Frank I..... | Veterinary inspector..... | Points in vicinity of District of Columbia, Maryland, and Virginia (Oct. 7, 1912- June 28, 1913)..... | To test cattle for tuberculosis..... | 362.97 | General expenses, B. A. I., 1913 (diseases of animals). |
| Woodward, Benj. T..... | do..... | Laurel, Md. (July 6, 1912)..... | To investigate a reported outbreak of disease among cattle..... | 1.75 | General expenses, B. A. I., 1913 (inspection and quarantine). |
| Do..... | do..... | Points in vicinity of District of Columbia, Maryland, and Virginia (July 26, 1912- June 24, 1913)..... | Testing cattle for tuberculosis..... | 169.82 | |

BUREAU OF PLANT INDUSTRY.

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|-------------------------|------------------------------|--|---|----------|--|
| Adams, James M. R..... | Laboratory aid..... | Ogden, Garland, Utah, and vicinity (Sept. 25-Nov. 23, 1912)..... | To carry on investigations of sugar-beet dis- eases and the culture and improvement of sugar plants..... | \$127.05 | General expenses, B. P. I., 1913 (sugar-plant invest- igations). |
| Do..... | do..... | Ogden, Garland, Lehi, Utah; Jerome, Idaho (Mar. 3-June 30, 1913)..... | To assist in field and laboratory experiments in the breeding of American sugar-beet seed adapted to the irrigated land of the arid west. | 221.08 | Potatoes and sugar-beet seed under irrigation, 1913. |
| Alsberg, Carl L..... | Chemical biologist..... | Columbia, S. C. (Oct. 2-11, 1912)..... | To consult experts and attend the National Pellagra Conference as a representative of the department..... | 35.35 | General expenses, B. P. I., 1913 (drug and other plants). |
| Anderson, David W..... | Scientific assistant..... | Durham, Center Barnstead, Pittsfield, Epsom, Pembroke, Manchester, N. H. (Apr. 3-May 31, 1913)..... | To conduct arm management investigations in relation to soil fertility..... | 261.11 | General expenses, B. P. I., 1913 (farm management). |
| Anderson, Albert D..... | do..... | Easley, Greenville, S. C.; Jackson, Tenn. (Apr. 12-June 30, 1913)..... | To conduct experiments in the breeding and acclimatization of cotton..... | 198.00 | General expenses, B. P. I., 1913 (crop acclimatiza- tion). |
| Arnold, Jacob H..... | Assistant agriculturist..... | Romney, Sleepy Creek, Grafton, Martins- burg, W. Va.; and adjacent points (Aug. 22-Sept. 5, 1912)..... | To supervise plantings on cooperative farms and to collect data on orchard management, in connection with farm management inves- tigations..... | 60.88 | General expenses, B. P. I., 1913 (farm management). |
| Do..... | do..... | Lexington, Bowling Green, Louisville, Berea, and other points in Kentucky (Sept. 4-Nov. 1, 1912)..... | To assist in outlining working plans for the op- eration of the State reform school farm and collect further data on orchard management, in connection with farm management inves- tigations..... | 198.12 | Do. |
| Do..... | do..... | Paw Paw, Martinsburg, W. Va. (Nov. 13- 16, 1912)..... | To collect data on orchard management..... | 17.88 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|--------------------------|---|--|----------------|---|
| Arnold, Jacob H..... | Assistant agriculturist. | Bowling Green, Louisville, and vicinity, Kentucky (Jan. 16-24, 1913). | To investigate boys' and girls' club work in farm management, field studies, and demonstrations. | \$70.36 | General expense, B. P. I., 1913 (farm management). |
| Do..... | do..... | Berea, Bowling Green, Louisville, and other points in Kentucky (Jan. 16-24, 1913). | To confer with county agents regarding farm management, field studies, and demonstrations. | 84.15 | Do. |
| Bailey, Ilena..... | Expert..... | Elmira, Dryden, Utica, N. Y. (Nov. 22-Dec. 23, 1912). | To collect data on farm home cost accounting, in connection with farm management investigations. | 154.09 | Do. |
| Do..... | do..... | Lansing, Mich. (Feb. 24-Mar. 1, 1913). | do..... | 50.34 | Do. |
| Do..... | do..... | Forest, Ind.; Jacksonville, Va.; Pleasant Plains, Ill. (Apr. 30-June 30, 1913). | do..... | 290.68 | Do. |
| Baker, Chas. B..... | Forest assistant..... | New Haven, Derby, Mount Carmel, Milford, Bridgeport, Fairfield, Milford Hill, Bridgeport, Westport, Springfield, Norwalk, Westport, Springfield, Danbury, Waterbury, Watertown, Hartford, Ridgefield, Clinton, Winsted, Torrington, Conn.; Mount Kisco, White Plains, Tarrytown, Sparkill, Nyack, Orangeburg, Congers, Ossining, Haverstraw, Irving, N. Y.; Trenton, N. J. (Jan. 13-June 30, 1913). | To investigate the utilization of chestnut timber killed by the bark disease, in cooperation with the Forest Service. | 501.65 | Investigating the chestnut tree bark disease, 1913. |
| Do..... | do..... | Madison, Wis.; Fort Collins, Grand Junction, Montrose, Boulder, Denver, Colo.; Santa Fe, Albuquerque, Las Cruces, N. Mex.; El Paso, Tex.; Tucson, Phoenix, Yuma, Ariz.; San Dimas, Los Angeles, Santa Paula, Ventura, Bakersfield, Fresno, El Centro, Stockton, Antioch, Berkeley, Davis, San Francisco, Sacramento, Red Bluff, Cal.; Roseburg, Corvallis, Albany, Salem, Portland, Oreg.; Spokane, Moscow, Pullman, Wash.; Boise, Twin Falls, Idaho; Laramie, Cheyenne, Wyo.; Logan, Salt Lake, Utah; Lincoln, Nebr.; Ames, Iowa; Chicago, Ill.; Tiffin, Ohio (Jan. 30-Apr. 27, 1913). | To investigate the relation of geographic factors to agricultural enterprises, in connection with special farm management studies. | 560.85 | General expenses, B. P. I., 1913 (farm management). |
| Do..... | do..... | Madison, Wis. (June 28-30, 1913). | do..... | 31.65 | Do. |

| Cerealists..... | General expenses, B. P. I., 1913 (cereal investigation). |
|-------------------------|--|
| Ball, Carleton R..... | 385.83 |
| Do..... | 165.61 |
| Do..... | 63.85 |
| Do..... | 176.54 |
| Ball, James S..... | 137.84 |
| Do..... | 226.59 |
| Do..... | 25.60 |
| Do..... | 20.76 |
| Barghausen, John F..... | 25.50 |
| Do..... | 13.50 |
| Beattie, R. Kent..... | 18.65 |
| Do..... | 8.40 |
| Do..... | 79.85 |
| Do..... | 20.05 |
| Do..... | 25.80 |
| Do..... | 83.20 |

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| Highmore, Bellefourche, S. Dak.; Dickinson, Williston, Fargo, N. Dak.; Bozeman, Mont.; Aberdeen, Gooding, Moscow, Idaho; Corvallis, Moro, Oreg.; Pullman, Wash.; Alberta, Canada; Great Falls, Moccasin, Mont.; St. Paul, Minn. (July 19-Aug. 27, 1912). | To consult with experiment station officials and farmers concerning conditions of grain growing and methods of dry farming, and inspect cereal experiments. |
| Crowley, La.; Beaumont, Amarillo, Tex.; Manhattan, Kans. (Oct. 7-27, 1912). | To inspect rice and other cereal cooperative experiments. |
| Atlanta, Ga. (Nov. 10-16, 1912). | To attend farmers' institute to confer with heads and directors of departments of agronomy of various State experiment stations concerning cooperative cereal experiments. |
| Ames, Iowa; Hays, Manhattan, Kans.; Amarillo, Tex.; Fort Collins, Colo.; Cheyenne, Wyo.; Logan, Salt Lake, Ogden, Utah (June 16-30, 1913). | To inspect cooperative work in cereal production and improvement, including cereal diseases, and consult with officials of experiment stations; and investigate market and milling interests in connection with cereals. |
| Wooster, Ohio; Virginia, Tallula, Pleasant Plains, Ill. (Aug. 19-Sept. 13, 1912). | To study farm management cost accounting methods; confer with field agents, and visit cooperators from whom records are being collected. |
| Albion, Lockport, Newfane, Perry, Batavia, Hilton, Spencerport, Holly, Syracuse, N. Y.; West Chester, Pa. (Oct. 6-Nov. 21, 1912). | do. |
| Rocky Mount, N. C. (Dec. 28-31, 1912). | do. |
| West Chester, Lenape, Philadelphia, Pa. (Mar. 31-Apr. 2, 1913). | do. |
| Raleigh, N. C. (Sept. 22-27, 1912). | To secure samples of cotton for use in establishing official cotton grades. |
| Richmond, Chula, Va. (June 12-14, 1913). | To investigate the production of crimson clover seeds and inspect the most improved machinery for separating the seed from the clover. |
| Martie Forge, Pa.; Baltimore, Md. (Sept. 1-8, 1912). | To conduct investigations of the chestnut tree bark disease. |
| Leesburg, Warrenton, Va. (Sept. 18-21, 1912). | do. |
| Martie Forge, Lancaster, Pa. (Oct. 1-4); Lynchburg, Lexington, Buena Vista, Natural Bridge, Va. (Oct. 16-18); Martie Forge, Pa. (Oct. 21-Nov. 2, 1912). | do. |
| Scotland Heights, Leesburg, Va. (Nov. 22-23, 1912). | do. |
| Charleston, Morgantown, Huntington, Parkersburg, Clarksburg, Fairmont, Grafton, W. Va. (Jan. 22-28, 1913). | do. |
| Jacksonville, Fla.; Bladen, Waycross, Savannah, Ga.; University, Raleigh, Chapel Hill, Greensboro, N. C.; Columbia, Camden, S. C. (Feb. 18-Mar. 1, 1913). | do. |

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| General expenses, B. P. I., 1913 (cereal investigation). | 385.83 |
| Do. | 165.61 |
| Do. | 63.85 |
| Do. | 176.54 |
| General expenses, B. P. I., 1913 (farm management). | 137.84 |
| Do. | 226.59 |
| Do. | 25.60 |
| Do. | 20.76 |
| General expenses, B. P. I., 1913 (cotton standardization). | 25.50 |
| General expenses, B. P. I., 1913 (forage crop investigations). | 13.50 |
| Investigating the chestnut tree bark disease, 1913. | 18.65 |
| Do. | 8.40 |
| Do. | 79.85 |
| Do. | 20.05 |
| Do. | 25.80 |
| Do. | 83.20 |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-----------------------|---------------------------|--|--|----------------|--|
| Beattie, R. Kent..... | Expert..... | Bluemont, Va. (Mar. 28-29, 1913)..... | To conduct investigations of the chestnut tree bark disease. | \$11. 10 | Investigating the chestnut tree bark disease, 1913. |
| Do..... | do..... | Orange, Gordonsville, Charlottesville, Va. (Apr. 2-4) Trenton, N. J., Philadelphia, Pa. (Apr. 13-15, 1913). | do..... | 23. 05 | Do. |
| Do..... | do..... | Harrisburg, Pa. (May 5-6); Bluemont, Va. (May 11 and 22, 1913). | do..... | 11. 20 | Do. |
| Do..... | do..... | Charleston, W. Va.; Greensboro, Raleigh, N. C. (June 3-11, 1913). | do..... | 47. 71 | Do. |
| Belt, J. O..... | Assistant..... | Crowley, New Orleans, La.; San Antonio, Chilocoth, Amarillo, Tex.; Garden City, Hays, Kans.; Akron, Colo.; North Platte, Nebr.; Ardmore, Deadwood, Newell, S. Dak.; Hettinger, Edgeley, Dickinson, Williston, N. Dak.; Hobson, Mont. (July 4-Sept. 3, 1912). | To study the influence of climatic conditions on crop production, and continue investigations under way in connection with dry farming. | 377. 43 | General expenses, B. P. I., 1913 (physical investigations). |
| Do..... | do..... | Lethbridge, Canada (Oct. 10-Nov. 1, 1912). | To assist in the installation and demonstration of the plant exhibits consisting largely of cereals from dry-farming field station, being part of the department exhibit at International Dry Land Congress. | 235. 35 | International Dry Land Congress at Lethbridge, Canada, 1913. |
| Bennett, C. M..... | Scientific assistant..... | Interlaken, Rochester, Brookport, N. Y. (July 14, 15, 1912). | To confer with farmers and co-operators relative to cost accounting and to ascertain areas of field crops, in connection with farm management investigations. | 17. 48 | General expenses, B. P. I., 1913 (farm management). |
| Do..... | do..... | New York, Millertown, Bloomfield, Attica, Batavia, Albion, Geneva, Syracuse, Auburn, Rochester, N. Y.; Northampton, West Newbury, Mass.; West Kennebunk, Waterville, Skowhegan, Me.; Milford, N. H.; Sayre, Pa. (Aug. 30-Sept. 24, 1912). | do..... | 130. 59 | Do. |
| Do..... | do..... | Jacksonville, Beardstown, Virginia, Ill.; Wooster, Ohio (Nov. 10-26, 1912). | To consult experiment station officials and farm record co-operators regarding cost accounting and to review work of field agents in farm management work. | 93. 23 | Do. |
| Do..... | do..... | Interlaken, Albion, N. Y.; Blue Mounds, Portage, Wis.; St. Paul, Minn. (Apr. 10-26, 1913). | do..... | 114. 11 | Do. |

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|-------------------------|--------------------|---|--|--------|-----|
| Benson, O. H..... | Agent..... | La Fayette, Ind.; Morgantown, W. Va. (July 14-20, 1912). | To arrange terms of cooperation with the State institutions in boys' and girls' club work and to confer with field agents regarding this work, in connection with the office of farm management. | 59.40 | Do. |
| Do..... | do..... | Manistee, Bear Lake, Luther, Cadillac, Mich.; Fort Wayne, Ind. (Sept. 9-21, 1912). | To organize, promote, and instruct boys' and girls' agricultural clubs, in connection with farm management, field studies, and demon- strations. | 79.58 | Do. |
| Do..... | do..... | Champaign, Clinton, Monticello, Decatur, Neogo, Tuscola, Arcola, Mattoon, Shel- byville, Charleston, Freeport, Spring- field, Ill.; Kirksville, Mo.; Lincoln, Nebr. (Sept. 24-Oct. 16, 1912). | do..... | 219.81 | Do. |
| Do..... | do..... | Waterloo, Eagle Grove, Fort Dodge, Des Moines, Ames, Manchester, Iowa; Co- lumbus, Wooster, Ohio (Nov. 1-17, 1912). | do..... | 137.89 | Do. |
| Do..... | do..... | Lansing, Grand Rapids, Mich. (Dec. 1-11, 1912). | do..... | 83.92 | Do. |
| Do..... | do..... | Lima, Ohio; Wilmington, Del. (Jan. 8-16, 1913). | do..... | 58.15 | Do. |
| Do..... | do..... | Lincoln, Nebr. (Feb. 18-24, 1913) | do..... | 94.85 | Do. |
| Do..... | do..... | Philadelphia, Pa. (Feb. 25-Mar. 1, 1913). | do..... | 26.80 | Do. |
| Do..... | do..... | Boston, Amherst, Salem, Mass.; Conway, Lancaster, Whitefield, Lisbon, Clare- mont, Newport, Concord, N. H.; New York, N. Y. (Mar. 7-23, 1913). | do..... | 124.86 | Do. |
| Do..... | do..... | Richmond, Va. (Apr. 15-18, 1913). | do..... | 21.00 | Do. |
| Do..... | do..... | Wilmington, Newport, Del. (May 23-25, 1913). | do..... | 14.94 | Do. |
| Do..... | do..... | Chicago, Ill.; Webster City, Goldfield, Clarion, Iowa Falls, Farley, Epworth, Sioux City, Ames, Waterloo, Iowa. Brookings, Aberdeen, S. Dak.; St. Paul, Minn. (May 29-June 30, 1913). | do..... | 216.80 | Do. |
| Do..... | do..... | Cleveland, Chardon, Ravenna, Burton, Zenia, Ohio (June 24-30, 1913). | do..... | 79.45 | Do. |
| Billings, George A..... | Agriculturist..... | Harrisburg, Lock Haven, State College, Erie, Pennsylvania, Pa.; Trenton, Plains- boro, Somerville, N. J. (Aug. 14-23, 1912). | To study agricultural conditions, confer with county agents, and arrange further coopera- tive work in farm management, field stud- ies, and demonstrations. | 86.08 | Do. |
| Do..... | do..... | Philadelphia, New Egypt, Schellsburg, Altoona, Butler, Greenville, Grove City, Washington, Ephrata, West Chester, Pa. (Sept. 3-17, 1912). | do..... | 82.67 | Do. |
| Do..... | do..... | Bedford Hill, Mount Kisco, Albany, Utica, Elmira, Ithaca, N. Y.; Amherst, Mass. (Sept. 23-Oct. 1, 1912). | do..... | 64.30 | Do. |
| Do..... | do..... | Utica, Binghamton, Plattsburg, Elmira, N. Y.; Milton, Canton, Pa.; Moorestown, Plainsboro, N. J. (Oct. 16-Nov. 3, 1912). | do..... | 117.57 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------------|-------------------|--|--|----------------|--|
| Beattie, R. Kent. | Expert. | Canton, Watertown, Rochester, Cortland, Utica, Middleport, Lockport, Jamestown, Herkimer, New York, N. Y. (Nov. 14-27, 1912). | To study agricultural conditions, confer with county agents, and arrange for her cooperative work in farm management, field studies, and demonstrations. | \$87.20 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Newton, Plainsboro, Trenton, Matawan, N. J.; New York, Cortland, Elmira, Binghamton, N. Y. (Dec. 16-24, 1912). | do. | 59.39 | Do. |
| Do. | do. | New Brunswick, Plainsboro, Trenton, N. J.; Lancaster, Pa. (Jan. 24-27, 1913). | do. | 48.37 | Do. |
| Do. | do. | New York, N. Y.; West Chester, Pa.; Newton, Matawan, N. J. (Feb. 19-22, 1913). | do. | 40.54 | Do. |
| Do. | do. | Newton, Trenton, Newark, N. J., and adjacent points (Mar. 6-15, 1913). | do. | 68.18 | Do. |
| Do. | do. | Newton, Trenton, Newark, N. J., and adjacent points (Apr. 7-15, 1913). | do. | 33.72 | Do. |
| Do. | do. | West Chester, Pa., and vicinity (Apr. 23-May 1, 1913). | do. | 61.75 | Do. |
| Do. | do. | West Chester, Pa., and vicinity (May 7-16, 1913). | do. | 50.21 | Do. |
| Do. | do. | West Chester, Pa., and vicinity (May 26-June 1, 1913). | do. | 52.15 | Do. |
| Do. | do. | Phillipsburg, Plainsboro, Newton, N. J.; West Chester, Pa. (June 11-17, 1913). | do. | 35.25 | Do. |
| Bisset, Peter. | Plant introducer. | Calhoun, Clemson College, S. C.; Auburn, Ala.; Augusta, Cairo, Blackshear, Ga.; Tallahassee, Glen St. Mary, Jacksonville, Ormond, Miami, Brooksville, Gainesville, Fla. (Nov. 4-Dec. 10, 1912). | To inspect experiments with foreign plants at the plant-introduction gardens and elsewhere, and arrange for further testing and propagation of new introductions. | 238.64 | Purchase and distribution of valuable seeds, 1913 (foreign seed and plant introduction). |
| Do. | do. | Richmond, Providence Forge, Va., and vicinity (Mar. 16-18, 1913). | To secure walnut scions from hybrid walnut trees for propagation and distribution. | 19.85 | General expenses, B. P. I., 1913 (special seeds and plants). |
| Do. | do. | Chicago, Ill.; Minneapolis, Minn.; Mandan, N. Dak.; Spokane, Seattle, Bellingham, Tacoma, Wash.; Portland, Ore.; Chico, San Francisco, Berkeley, Monterey, Fresno, Los Angeles, Riverside, Indio, Cal.; Phoenix, Tempe, Ariz.; Brownsville, San Antonio, Houston, Tex.; New Orleans, La.; Biloxi, Miss.; Montgomery, | To confer with park commissioners and superintendents, officers of civic improvement organizations, etc., relative to cooperative work in connection with testing newly introduced seeds and plants for street, lawn, and park plantings; inspect the propagating gardens, and consult with private experimenters and collaborators concerning the | 332.71 | Purchase and distribution of valuable seeds, 1913 (foreign seed and plant introduction). |
| | | | | 248.95 | Purchase and distribution of valuable seeds, 1913 (congressional seed distribution). |

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| Do. | Ala.; Tallahassee, Glen St. Mary, Gainesville, Jacksonville, Brooksville, Fla. (Apr. 6-June 30, 1913). | testing of seeds and plants to determine their economic value, and the possibility of developing industries with the various plants introduced through congressional distribution. | 29.80 | Nursery plant inspection and quarantine. |
| Do. | New York, N. Y. (Oct. 7-10, 1912). | To confer with officials of the customs service in regard to inspection of importations of nursery stock. | 37.50 | Do. |
| Boeger, E. A. | Cleveland, Ohio (Jan. 1-4, 1913). | To attending meeting of the Official Association of Horticultural Inspectors in order to acquaint these inspectors fully with the features of the plant quarantine act and their cooperative relation therewith. | 150.00 | General expenses, B. P. I., 1913 (farm management). |
| Do. | Chicago, Lincoln, Springfield, Quincy, Ill.; Ames, Des Moines, Davis City, Weldon, Iowa (Oct. 28-Nov. 16, 1912). | To investigate systems of tenant farming in connection with farm management investigations. | 168.42 | Do. |
| Boerner, Emil G. | Davis City, Grand Rapids, Leon, Des Moines, Oskaloosa, Keokuk, Ottumwa, Iowa; Springfield, Campaign, Kankakee, Ill.; Columbus, Omega, Lucasville, Portsmouth, Ohio, and other points in States named (Apr. 25-June 6, 1913). |do. | 55.70 | General expenses, B. P. I., 1913 (grain standardization). |
| Do. | New York, N. Y. (Aug. 2-14, 1912). | To secure samples and examine cargoes of corn from the Argentine Republic in order to obtain information bearing upon the methods of handling corn in steamships. | 67.05 | Do. |
| Do. | Norfolk, Va. (Oct. 1-4, 1912). |do. | 19.10 | Do. |
| Do. | Cincinnati, Ohio (June 15-19, 1913). | To attend annual convention of Grain Dealers' National Association and to participate in the discussions relative to specifications and rules for grading commercial grains. | 51.70 | Do. |
| Bowen, Percy P. | Atlanta, Macon, Fort Valley, Ga. (June 16-30, 1913). | To secure information relative to conditions affecting grain standardization investigations. | 57.14 | General expenses, B. P. I., 1913 (pomological investigations). |
| Brand, Chas. J. | Anderson, Greenville, S. C. (July 4-7, 1912). | To assist with experiments in peach precooling in connection with fruit transportation and storage investigations. | 43.45 | General expenses, B. P. I., 1913 (cotton standardization). |
| Do. | Portland, Cumberland Mills, Me. (July 18-Aug. 14, 1912). | To consult with cotton spinners and others interested in the cotton industry regarding cooperative handling and marketing. | 184.10 | General expenses, B. P. I., 1913 (paper plant investigations). |
| Do. | Boston, New Bedford, Mass.; Portland, Cumberland Mills, Me. (Aug. 22-Sept. 3, 1912). | To carry on work in the utilization of crop and other plants in paper making and the production of food extracts from crop wastes. | 92.35 | Do. |
| | | To consult with cotton spinners concerning the establishment of closer contact between cotton growers and spinners, in connection with cooperative cotton handling and marketing, and to supervise paper-making experiments. | 9.50 | General expenses, B. P. I., 1913 (cotton standardization). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|---------------------|-------------------|--|--|----------------|--|
| Brand, Chas. J..... | Physiologist..... | Clemson College, Easley, Greenville, Columbia, Hartsville, Bennettsville, Darlington, Florence, Charleston, S. C.; Atlanta, Hogansville, Ga.; Montgomery, Birmingham, Ala.; Vicksburg, Greenville, Miss.; Shreveport, La.; Houston, Galveston, Victoria, Clarksville, Dallas, San Antonio, Paris, Tex.; Oklahoma, Okla. (Sept. 6-Oct. 4, 1912). Boston, Mass.; Buffalo, N. Y.; Chicago, Ill.; Minneapolis, Minn.; Fargo, Dickinson, N. Dak. (Oct. 15-25, 1912). Raleigh, N. C.; Bennettsville, S. C. (Nov. 6-9, 1912). | To consult with State and Government officials, farmers, and persons connected with the cotton industry relative to cooperative cotton handling and marketing. | \$324. 27 | General expenses, B. P. I., 1913 (cotton standardization). |
| Do..... | do..... | |do..... | 169. 75 | Do. |
| Do..... | do..... | | To address the southern agricultural workers on the subject of "Handling and marketing the cotton crop," to investigate and give directions for securing samples of stored cotton, and to collect data on cooperative cotton handling and marketing. | 40. 00 | Do. |
| Do..... | do..... | New York, N. Y.; Boston, Mass. (Dec. 9-13, 1912). | To consult with persons connected with the cotton industry relative to cooperative cotton handling and marketing. | 52. 71 | Do. |
| Do..... | do..... | Clio, S. C. (Jan. 20-24, 1913)..... | To supervise experiments in the standardization of tare, and investigate other phases of cooperative cotton handling and marketing. | 28. 65 | Do. |
| Do..... | do..... | Easley, Clio, Columbia, S. C.; Thomasville, Atlanta, Ga. (Feb. 2-12, 1913). Richmond, Va. (Apr. 15-18, 1913)..... | To continue field work in connection with cooperative cotton handling and marketing. To address conference for education in the South on "Community cooperation in growing and handling cotton." | 122. 40 | Do. |
| Do..... | do..... | Chicago, Ill.; Madison, Wis.; Kansas City, Mo.; Fort Scott, Kans. (May 20-29, 1913). | To conduct investigations and experiments in the utilization of corn stalks and other crop wastes for paper making and production of food extracts. | 21. 80 | Do. |
| Briggs, L. J..... | Biophysicist..... | Akron, Grand Junction, Colo.; Salt Lake, Tooele, Utah; Los Angeles, Riverside, Cal. (July 13-Aug. 30, 1912). | To conduct biophysical investigations on the water requirements of plants, the toleration of crops to alkali, and malnutrition of orchard trees. | 152. 30 | General expenses, B. P. I., 1913 (paper plant investigations). |
| Do..... | do..... | Grand Junction, Colo.; Riverside, Cal. (Oct. 11-Nov. 20, 1912). | To conduct biophysical and malnutrition investigations with crop plants. | 374. 10 | General expenses, B. P. I., 1913 (physical investigations). |
| | | | | 249. 15 | Do. |

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| Do. | do. | St. Petersburg, Florenceville, Fla.; Casa Grande, Ariz.; Indio, Riverside and vicinity, Santa Paula, Santa Barbara, Oroville, San Francisco, Sacramento, Cal.; Grand Junction, Akron, Colo.; Lansing, Owasso, Mich. (Mar. 10-May 6, 1913.) | 527.93 | Do. | General expenses, B. P. I., 1913 (farm management). |
| Brodie, D. A. | Agriculturist. | Hartford, Conn.; Kingston, R. I.; Elmira, N. Y.; Toronto, Guelph, Ontario, Canada (Sept. 4-14, 1912). | 54.73 | Do. | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Adrian, Mich.; Sibley, Ill.; Beatrice, Nebr. (Oct. 6-19, 1912). | 161.69 | Do. | Do. |
| Do. | do. | New Haven, Conn. (Dec. 16-18, 1912). | 17.65 | Do. | Do. |
| Do. | do. | New York, N. Y.; Newton, N. J., and adjacent points (Feb. 3-6, 1913). | 31.04 | Do. | Do. |
| Do. | do. | Charleston, S. C.; Wrightsville, Eastman, Ga.; Norfolk, Va. (Apr. 10-19, 1913). | 84.84 | Do. | Do. |
| Do. | do. | Manchester, Pittsfield, N. H.; Watertown, Cortland, Binghamton, New York, N. Y.; Newton, N. J. (Apr. 25-May 4, 1913). | 89.02 | Do. | Do. |
| Do. | do. | Lexington, Ky.; St. Louis, Mo.; Beatrice, Nebr.; Minneapolis, Minn.; Fargo, N. Dak.; Lincoln, Ill. (May 16-June 3, 1913). | 200.00 | Do. | Do. |
| Do. | do. | Hampton, Va. (June 13-15, 1913). | 19.20 | Do. | Do. |
| Do. | do. | Lincoln, Jacksonville, Chicago, Ill.; Toledo, Ohio; Cadillac, St. Ignace, Sault Ste. Marie, Mich. (June 16-29, 1913). | 145.35 | Do. | General expenses, B. P. I., 1913 (logged-off lands). |
| Brooks, Chas. | Pathologist. | Salem, Mitchell, Orleans, Ind.; Missoula, Hamilton, Mont.; Spokane, Wenatchee, Seattle, Tacoma, Pullman, North Yakima, Puyallup, Wash.; Vancouver, British Columbia.; Portland, Hood River, Oreg.; Moscow, Lewiston, Payette, Fruitland, Idaho; Ogden, Brigham, Provo, Salt Lake, Utah; Grand Junction, Palsade, Delta, Paonia, Montrose, Colo.; Kansas City, St. Louis, Mo. (Aug. 16-Oct. 23, 1912). | 469.05 | Do. | General expenses, B. P. I., 1913 (fruit diseases). |
| Do. | do. | Martinsburg, W. Va. (Nov. 8-10, 1912). | 9.13 | Do. | Do. |
| Do. | do. | Durham, N. H. (Nov. 28-Dec. 4, 1912). | 51.95 | Do. | Do. |
| Do. | do. | Rohrsville Md. (Feb. 26-27, 1913). | 2.95 | Do. | Do. |
| Do. | do. | Baltimore, Md. (June 18, 19, 1913). | 1.70 | Do. | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------------------|---------------------------|---|--|----------------|---|
| Brown, Ernest B..... | Assistant physiologist. | San Antonio, McKinney, Marshall, Waco, Tex.; Shreveport, La.; West Point, Pheba, Miss.; Cuba, York, Birmingham, Batelle, Ala.; Chattanooga, Normandy, Murfreesboro, Tenn. (July 29-Oct. 5, 1912). | To supervise the harvesting of experimental plats of corn, and investigate methods of corn culture. | \$315. 97 | General expenses, B. P. I., 1913 (cereal investigations). |
| Do..... | do..... | Grassmead, Round Hill, Occoquan, Va. (Apr. 24-May 29, 1913). | To prepare land and plant experimental plats of corn, and collect samples of corn from farmers for experimental work. | 25. 50 | Do. |
| Bunzell, H. H..... | Chemical biologist..... | Florence, S. C. (July 16-Aug. 10, 1912).... | To study physiological conditions affecting both healthy and diseased cotton and truck crops. | 99. 65 | General expenses, B. P. I., 1913 (drug and other plants). |
| Do..... | do..... | Houlton, Bangor, Me. (Aug. 12-Sept. 14, 1912). | To study physiological conditions affecting both healthy and diseased potatoes and other truck crops. | 121. 65 | Do. |
| Brown, Edgar..... | Botanist..... | Cleveland, Ohio; La Fayette, Ind.; St. Louis, Columbia, Mo.; Baton Rouge, La. (Jan. 1-11, 1913). | To attend a meeting of the Association of Official Seed Analysts, at Cleveland, and consult with collaborators in regard to work of branch seed-testing laboratories. | 91. 43 | General expenses, B. P. I., 1913 (seed-testing laboratories). |
| Do..... | do..... | Detroit, Port Huron, Mich. (May 1-3, 1913). | To consult with customs officers in regard to shipments of seed held under the seed importation act. | 45. 60 | Do. |
| Campbell, Arthur B.... | Laboratory assistant..... | Baltimore, Md. (Sept. 17, 1912-Feb. 11, 1913), 9 trips. | To test grain samples for moisture content..... | 66. 45 | General expenses, B. P. I., 1913 (physical investigations). |
| Carpenter, C. H..... | Collaborator..... | Easley, Pickens, Greenville, Liberty, Greers, S. C. (Nov. 16, 1912-Jan. 31, 1913). | To collect cotton samples for use in establishing official cotton grades. | 19. 80 | General expenses, B. P. I., 1913 (cotton standardization). |
| Chambliss, Chas. E..... | Agronomist..... | Beaumont, Amelia, Tex.; Crowley, La.; Augusta, Atlanta, Ga. (July 6-Aug. 7, 1912). | To confer with experiment-station officers in regard to cooperative work with grains, and interview millers and other commercial men concerning the commercial uses of rice. | 154. 14 | General expenses, B. P. I., 1913 (cereal investigations). |
| Do..... | do..... | Crowley, Shreveport, La.; College Station, Houston, Beaumont, Tex.; Stuttgart, Ark.; Minneapolis, Minn.; Richvale, Chico, Biggs, Sacramento, San Francisco, Cal. (Aug. 14-Oct. 13, 1912). |do..... | 182. 85 | Do. |
| Do..... | do..... | New Orleans, Crowley, La.; Beaumont, Crosby, Tex. (Mar. 11-Apr. 9, 1913). |do..... | 181. 93 | Do. |

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| Chilcote, E. C. | Agriculturist. | St. Paul, Minn.; Fargo, Mandan, N. Dak.; Billings, Mont.; Dalhart, Tex.; Tucumcari, Santa Rosa, N. Mex. (Aug. 15-Sept. 6, 1912). | To confer with State agricultural college officials regarding investigations in dry-land agriculture, and to arrange for the establishment of the Northern Great Plains Field Station at Mandan. | 241. 12 | General expenses, B. P. I., 1913 (dry-land agriculture). |
| Do. | do. | Mandan, N. Dak.; Billings, Mont.; Ardmore, S. Dak.; Denver, Colo.; Tucumcari, N. Mex. (Nov. 16-30, 1912). | To inspect dry-land agriculture work being carried on at field stations. | 253. 81 | Do. |
| Chubbuck, Levi. | Expert. | Lawrence, Kans.; Genoa, Nebr.; Sioux Falls, Springfield, Flandreau, S. Dak.; Pipestone, Minn. (Sept. 1-22, 1912). | To inspect the farms at Indian schools and agencies with a view to developing farm-management methods, in cooperation with the Indian Bureau. | 137. 11 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | New York, N. Y.; New London, Conn.; Boston, Plymouth, New Bedford, Brockton, Mass.; Portland, Bangor, Me. (Oct. 8-24, 1912). | To investigate the agricultural and industrial condition of the small bands of Indians in States mentioned. | 122. 35 | Do. |
| Do. | do. | Flandreau, S. Dak.; Pipestone, Minn.; Genoa, Nebr.; King City, Kidder, Mo. (Nov. 10-Dec. 3, 1912). | To confer with superintendents of Indian schools regarding the management of the school farms and the teaching of agriculture. | 152. 99 | Do. |
| Do. | do. | Lawrence, Horton, Kans.; Chillico, Okla.; Santa Fe, Albuquerque, N. Mex.; Fort Defiance, Phoenix, Salt River, Sacaton, Ariz.; Chonawwa, Pendleton, Oreg. (Apr. 14-June 14, 1913). | To investigate farm-management methods in use at the United States Indian schools and agencies. | 467. 35 | Do. |
| Clark, H. H. | Assistant. | Norfolk, Onley, Cape Charles, Va. (Aug. 16-31, 1912). | To inspect work in connection with potato investigations in relation to farm management. | 73. 46 | Do. |
| Do. | do. | Vineyard, Bridgeton, Freehold, Elmer, N. J.; New York, Riverhead, East Hampton, Spencerport, Peconic, Chateaugay, Watertown, Honeoye Falls, Genesee, Batavia, N. Y. (Sept. 1-Nov. 23, 1912). | To collect data on the cost of potato production in connection with farm economics as a feature of general farm-management investigations. | 388. 06 | Do. |
| Do. | do. | Davenport, Grundy Center, Iowa; Montrose, Greeley, Colo.; Spokane, North Yakima, Grand View, Sunnyside, Latah, Wash. (Apr. 11-June 30, 1913). | do. | 477. 91 | Do. |
| Clark, W. Blair. | Assistant chemist. | Milford, Ohio; Denver, Colo.; Chicago, Ill.; Mitchell, Nebr.; Madison, Wis. (July 12-Dec. 19, 1912). | To conduct analytical work on experimental crops of sugar beets and sorghum. | 251. 30 | General expenses, B. P. I., 1913 (sugar-plant investigations). |
| Clarke, Harold A. | Assistant. | San Antonio, Tex. (May 30-June 30, 1913). | To assist in the care and cultivation of cotton in connection with the acclimatization and breeding experiments. | 71. 95 | General expenses, B. P. I., 1913 (crop acclimatization). |
| Clawson, Arthur B. | Scientific assistant. | Athol, Idaho; Greycliff, Mont. (Aug. 23-Oct. 1, 1912). | To investigate poisonous plants on the western stock ranges. | 112. 40 | General expenses, B. P. I., 1913 (drug and other plants). |
| Do. | do. | Greycliff, Mont. (Apr. 26-May 2, 1913). | do. | 73. 75 | Do. |
| Clinton, L. A. | Agriculturist. | New York, Albany, N. Y.; New Haven, Conn.; Kingston, R. I. (Dec. 16-20, 1912). | To confer with State officials with reference to organizing farm-management work in connection with farm-management field studies and demonstrations. | 44. 80 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Trenton, N. J. (Jan. 8, 1913). | do. | 10. 60 | Do. |
| Do. | do. | New Brunswick, Trenton, N. J. (Jan. 24-25, 1913). | do. | 17. 98 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------|----------------------------|---|---|----------------|--|
| Clinton, L. A. | Agriculturist | Ithaca, Syracuse, Canton, Binghamton, N. Y. (Jan. 28-Feb. 2, 1913). | To confer with State officials with reference to organizing farm-management work in connection with farm-management field studies and management. | \$46.15 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Montpelier, Vt.; Storrs, Conn. (Feb. 12-16, 1913). | To confer with cooperators and field agents regarding the organization of farm-management field studies and demonstration work. | 50.39 | Do. |
| Do. | do. | Grand Rapids, Battle Creek, Lansing, Mich. (Feb. 21-28, 1913). | To address a farmers' institute on "Potato growing in relation to farm management," and confer with field agents in reference to plans for future work. | 80.26 | Do. |
| Do. | do. | Amherst, Mass.; Storrs, Conn.; New York, N. Y. (Mar. 17-21, 1913). | To consult with field agents and cooperators in regard to plans for continuing farm-management field studies and demonstrations. | 40.61 | Do. |
| Do. | do. | Ithaca, Elmira, Binghamton, New York, Herkimer, Utica, Syracuse, Cortland, N. Y.; Boston, Mass. (May 11-24, 1913). | do. | 101.33 | Do. |
| Do. | do. | State College, Pa. (May 26-28, 1913). | do. | 23.31 | Do. |
| Do. | do. | Poughkeepsie, Canton, N. Y. (June 3-7, 1913). | do. | 52.00 | Do. |
| Do. | dg. | State College, Pa. (June 11-14, 1913). | do. | 29.42 | Do. |
| Do. | do. | Hartford, Storrs, Conn.; Springfield, Mass. (June 23-29, 1913). | do. | 52.20 | Do. |
| Close, Chas. P. | Pomologist. | Spokane, Wenatchee, Seattle, North Yakima, Walla Walla, Wash.; Portland, McMinnville, Beaverton, Orenco, Hood River, Oreg.; Boise, Idaho; Logan, Salt Lake, Brigham City, Utah; Grand Junction, Colo. (Nov. 18-Dec. 6, 1912). | To make varietal studies of fruits, to inspect orchard-management work, study the methods of orchard heating, and examine and identify fruits. | 123.40 | General expenses, B. P. I., 1913 (pomological investigations). |
| Cobb, N. A. | Agricultural technologist. | Raleigh, Clemson College, S. C.; Danville, Va. (Apr. 23-26, 1913). | To arrange spinning tests in connection with the standardization and grading of cotton. | 40.85 | General expenses, B. P. I., 1913 (cotton standardization). |
| Connor, Louis G. | Assistant agriculturist. | Adrian, Morenci, Mich.; West Chester, Kennett Square, Avondale, Philadelphia, Pa. (July 24-Sept. 25, 1912). | To assist in making a farm-management survey and collect data on the distribution of labor and other phases of farm economics. | 131.17 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Philadelphia, Concordville, Pa. (Oct. 8-10, 1912). | To collect creamery data for use in farm-survey work. | 15.67 | Do. |
| Do. | do. | Lynchburg, Appomattox, Va. (Apr. 13-15, 1913). | To collect data on labor distribution for use in the study of farm economics. | 21.60 | Do. |
| Do. | do. | York, Lancaster, Ephrata, Landisville, Pa.; Middletown, Hartford, Suffield, Conn.; Ithaca, N. Y. (Apr. 17-May 2, 1913). | do. | 88.01 | Do. |

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|-----------------|--------------------------------|--|--|--------|---|
| Do. | do. | Hartford, Wethersfield, Conn.; Deerfield, Greenfield, Mass. (June 5-13, 1913). | do. | 43.74 | Do. |
| Do. | do. | London, Dayton, Ohio (June 24-30, 1913). | do. | 47.90 | Do. |
| Cook, O. F. | Bionomist. | Norfolk, Va., and vicinity (Aug. 12-15, 1912). | To inspect experiments in the acclimatization, adaptation, and breeding of cotton. | 17.55 | General expenses, B. P. I., 1913 (crop acclimatization). |
| Do. | do. | Clemson, Easley, Greenville, Laurens, Columbia, Hartsville, Bennettsville, Florence, Charleston, S. C.; Congers, Atlanta, Franklin, Hogansville, Ga.; Montgomery, Birmingham, Ala.; Texarkana, Clarksville, Waco, San Antonio, Victoria, Tex.; Bard, El Centro, Midland, Cal.; Sacaton, Mesa, Glendale, Phoenix, Tucson, Ariz. (Sept. 1-Nov 29, 1912). | To inspect and study experiments being conducted in the acclimatization and breeding of varieties of cotton, corn and other plants introduced from tropical countries and to locate experiments for the coming season. | 592.77 | Do. |
| Do. | do. | Victoria, San Antonio, Tex.; Bard, El Centro, Indio, Los Angeles, San Diego, Cal. (June 9-30, 1913). | do. | 229.20 | Do. |
| Corbett, L. C. | Horticulturist. | Rochester and vicinity, Corning, Arkport, Elmira, N. Y. (Sept. 5-7, 1912). | To inspect potato trials and condition of celery crop. | 33.36 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Do. | do. | St. Paul, Minn.; Fargo, Mandan, N. Dak.; Billings, Mont.; Mitchell, Nebr.; Denver, Fort Collins, Greeley, Glenwood Springs, Colo.; Twin Falls, Idaho; Fallon, Nev.; Stockton, Berkeley, Davis, Cal. (Sept. 18-Oct. 15, 1912). | To investigate the locations of the Mandan and southern Idaho projects, and to inspect potato experiments and experiments with sugar-beet and other vegetable seed. | 405.13 | Potatoes and sugar-beet seed under irrigation, 1913. |
| Corbett, L. L. | Assistant farm superintendent. | Norfolk, Va., and vicinity (July 24-31, 1912). | To collect data on the cost of potato production in connection with farm management in investigations. | 16.45 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Norfolk, and vicinity, Onley, Eastville, Cape Charles, Townsend, Va.; Charleston, Mount Pleasant, S. C.; Hastings, Fla. (Aug. 11-Sept. 20, 1912). | do. | 127.61 | Do. |
| Do. | do. | Caribou, Presque Isle, Houlton, Brooks, Waterville, Clinton, Me.; Rock Stream, Addison, Canister, Wayland, Cohocton, Beaver Dam, Bath, Dundee, N. Y. (Sept. 25-Nov. 16, 1912). | do. | 230.56 | Do. |
| Corder, Geo. H. | Unskilled laborer. | Houlton, Me.; Honeoye Falls, N. Y. (Sept. 15-Oct. 17, 1912). | To assist in the harvesting of experimental potatoes. | 140.66 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Do. | do. | Houlton, Me.; Honeoye Falls, N. Y. (May 20-June 15, 1913). | To assist in the planting of experimental potatoes. | 134.98 | Do. |
| Colton, J. S. | Agriculturist. | Burnt Hills, Little Falls, Watertown, Utica, N. Y.; Georgetown, Conn.; Northampton, Amherst, Greenfield, Mass.; Portland, Augusta, Cornish, West Kennebunk, Me.; White River, Northboro, Vt.; Bay City, Prescott, St. Helen, Roscommon, Harrisville, Mich. (Aug. 12-Sept. 20, 1912). | To carry on investigations in the management and improvement of pastures and in the production of feed for live stock in connection with farm-management investigations. | 215.44 | General expenses, B. P. I., 1913 (farm management). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-----------------------|---------------|--|--|----------------|--|
| Cotton, J. S. | Agriculturist | Newton, N. J.; Delhi, Van Etten, Big Meadows, N. Y.; Schellsburg, State College, Pittsburgh, Pa.; Wooster, London, Ohio; Wellsville, W. Va. (Oct. 6-25, 1912). | To investigate pasture and grazing conditions and production of feed for sheep and cattle in connection with farm-management investigations. | \$144.74 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do | Binghamton, Whitney's Point, N. Y.; White River, Windsor, Vt. (Apr. 16-26, 1913). | To consult with county and State agents concerning investigations in the utilization and maintenance of pastures in relation to farm management and to take notes of pasture improvement work under way. | 67.91 | Do. |
| Do. | do | Manchester, Vt.; Plattsburg, N. Y. (June 8-30, 1913). | do | 55.66 | Do. |
| Coville, Frederick V. | Botanist | Philadelphia, Pa.; New Lisbon, N. J. (July 8-12, 1912). | To make field investigations of the blueberry in connection with taxonomic investigations. | 11.52 | General expenses, B. P. I., 1913 (taxonomic and range investigations). |
| Do. | do | Moriches, Long Island, N. Y. (July 28, 29, 1912). | To examine field plantings of blueberries, select additional wild bushes for cultivation, and start new experiments in propagation. | 11.52 | Do. |
| Do. | do | Ephraim, Utah, Manti National Forest (Aug. 15-Sept. 2, 1912). | To study the improvement of forest grazing areas. | 210.95 | Do. |
| Do. | do | New Lisbon, N. J. (Dec. 5-7, 1912). | To inspect blueberry plantings, select material, and start new experiments in propagation. | 20.59 | Do. |
| Cox, H. R. | Agriculturist | Vineland, N. J.; Delhi, Ithaca, N. Y.; Delta, Wauseon, Waterville, Canton, New Berlin, Ohio (Sept. 25-Oct. 9, 1912). | To confer with tillage cooperators and inspect experiments in control of pasture weeds in connection with farm management investigations. | 103.03 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do | Ashland, Va.; North Wilkesboro, Greensboro, Laurel Springs, N. C. (Oct. 26-31, 1912). | do | 51.80 | Do. |
| Do. | do | Delhi, Gilbertville, Utica, Watertown, New York, N. Y.; Newport, Vt.; Pittsfield, Mass.; Winslow Junction, Freehold, N. J. (June 16-28, 1913). | do | 92.23 | Do. |
| Cox, John H. | Assistant | Port Conway, Va. (Aug. 25-30, 1912). | To secure special samples of wheat for experimental use in connection with grain standardization. | 11.95 | General expenses, B. P. I., 1913 (grain standardization). |
| Do. | do | New York, N. Y. (Oct. 16-25, 1912). | To secure samples, and examine corn arriving from the Argentine Republic, in order to obtain information bearing upon the methods of handling corn in steamships. | 55.75 | Do. |

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| Do..... | do..... | Baltimore, Md. (Dec. 2-4 and 19, 1912)..... | To make experiments in artificial drying of grain. | 13.15 | Do. |
| Do..... | do..... | Baltimore, Md. (Apr. 15, 16, 1913)..... | To assist with laboratory experiments in connection with grain standardization investigations. | 8.90 | Do. |
| Crandall, E. L..... | Photographer..... | Fredericksburg, Port Conway, Va. (Sept. 8-10, 1912). | To take photographs of plats of alfalfa in a series of fertilizing tests. | 5.80 | General expenses, B. P. I., 1913 (forage crop investigations). |
| Do..... | do..... | Wyomissing, Pa. (June 4-11, 1913)..... | To take photographs of peony collections in connection with general horticultural investigations. | 38.95 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Crawford, Gilbert H..... | Assistant expert in refrigeration. | Puyallup, North Yakima, Spokane, Wash. (Sept. 1-Nov. 15, 1912). | To conduct precooling experiments with peaches, raspberries, and other fruits, in connection with the transportation and storage of fruits. | 193.76 | General expenses, B. P. I., 1913 (pomological investigations). |
| Cron, A. B..... | Assistant..... | Port Conway, Va. (July 14-18, 1912)..... | To inspect alfalfa fertilizer tests in connection with the investigation and improvement of forage crops. | 9.99 | General expenses, B. P. I., 1913 (forage crop investigations). |
| Do..... | do..... | Lancaster, Pa.; Petersburg, Emporia, Va.; Scotland Neck, N. C. (July 29-Aug. 7, 1912). | do..... | 49.94 | Do. |
| Do..... | do..... | Lancaster, Pa.; Dover, Del.; Port Conway, Norfolk, Tappahannock, Petersburg, Va.; Scotland Neck, Rocky Mount, Washington, N. C. (Aug. 15-Sept. 2, 1912). | do..... | 82.60 | Do. |
| Do..... | do..... | Port Conway, Va. (Sept. 17-19, 1912)..... | do..... | 7.25 | Do. |
| Do..... | do..... | Rocky Mount, Washington, Scotland Neck, N. C.; Emporia, Petersburg, Va. (Sept. 29-Oct. 4, 1912). | do..... | 46.75 | Do. |
| Do..... | do..... | Amarillo, Tex. (Mar. 12-19, 1913)..... | do..... | 65.00 | Do. |
| Crosby, M. A..... | Assistant agriculturist. | Birmingham, Talladega, Uniontown, Bogalusa, Selma, Demopolis, Tuscaloosa, Thorsby, Ala.; Macon, Starkville, Yazoo City, Inverness, Brooksville, Waynesboro, Miss.; Jackson, Memphis, Tenn.; and other points in States named (July 1-Dec. 27, 1912). | To investigate systems of farming and farm practice, and to assist farmers in improving their systems of farm management. | 496.47 | General expenses, B. P. I., 1913 (farm management). |
| Do..... | do..... | Birmingham, Talladega, Uniontown, Bogalusa, Selma, Demopolis, Tuscaloosa, Thorsby, Ala.; Macon, Starkville, Yazoo City, Inverness, Brooksville, Waynesboro, Miss.; Jackson, Memphis, Tenn.; and other points in States named (Mar. 11-June 30, 1913). | do..... | 371.88 | Do. |
| Darrow, Geo. M..... | Scientific assistant..... | Knoxville, Harrison, Sunbright, Crossville, Lebanon, Dickson, Humboldt, Stanton, Memphis, Ripley, Tenn.; Clinton, Paducah, Lexington, Ky.; Huntington, Parkersburg, Wheeling, W. Va.; and other points in States named (Aug. 4-Oct. 17, 1912). | To study and take notes on the varietal adaptability work in connection with the fruit production investigation. | 393.59 | General expenses, B. P. I., 1913 (pomological investigations). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|----------------------------|--|--|----------------|---|
| Darrow, Geo. M. | Scientific assistant. | Chattanooga, Cleveland, Dayton, Knoxville, Harman, Nashville, Humboldt, Jackson, Ripley, Tenn.; Bowling Green, Louisville, Covington, Ky.; Parkersburg, Morgantown, Clarksburg, W. Va. (Mar. 12-June 5, 1913). | To investigate varietal characteristics of strawberries, blackberries, cherries, and miscellaneous small fruits, in connection with the fruit production and improvement investigations. | \$240.05 | General expenses, B. P. I., 1913 (pomological investigation). |
| Davis, Hugh M. | Laboratory aid. | Alphano, N. J. (June 22-28, 1913) | To assist in planting an experimental field of late celery. | 34.98 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Dean, Wm. S. | Assistant. | Holyoke, Lawrence, Lowell, Mass. (Mar. 6-Apr. 17, 1913). | To conduct tests in connection with cotton grading and standardization. | 182.88 | General expenses, B. P. I., 1913 (cotton standardization). Do. |
| Do. | do. | Raleigh, Charlotte, N. C.; Clemson College, S. C.; Danville, Va. (Apr. 23-26, 1913). | To inspect cotton mills and textile schools in order to ascertain which are suitable for conducting tests in connection with cotton grading and standardization investigations; also to select types of cotton for the work. | 40.85 | Do. |
| Do. | do. | Memphis, Tenn.; Columbia, Meridian, Miss. (June 24-30, 1913). | To sample and buy cotton for the preparation of official cotton grades. | 82.02 | Do. |
| Dearing, Chas. | Scientific assistant. | Ocala, Orlando, New Smyrna, Sanford, Fla.; Rocky Mount, Willard, N. C. (Aug. 21-30, 1912). | To conduct pollination and other experiments in connection with viticultural investigations. | 99.84 | General expenses, B. P. I., 1913 (pomological investigations). Do. |
| Do. | do. | Vineland, N. J. (Sept. 1-9, 1912) | To gather grapes in the cooperative vineyard and take notes regarding the condition and progress of the experiments. | 30.16 | Do. |
| Do. | do. | Willard, Wilmington, Enfield, Rocky Mount, N. C.; Norfolk, Va. (Sept. 11-Oct. 8, 1912). | To continue studies of the Muscadine grape industry and take notes on results of pollination experiments. | 98.07 | Do. |
| Do. | do. | New Smyrna, Fla.; Troyville, N. C.; Norfolk, Va. (Nov. 10-18, 1912). | To supervise the pruning of vines in connection with the Rotundifolia grape investigations. | 87.90 | Do. |
| Do. | do. | Willard, N. C. (Jan. 9-Feb. 2, 1913) | To continue investigations in the culture and improvement of Muscadine grapes. | 68.40 | Do. |
| Do. | do. | Vineland, N. J. (Feb. 8-Mar. 1, 1913) | To take growth ratings, supervise pruning and the making of cuttings of grapevines at the cooperative vineyard. | 64.72 | Do. |
| Do. | do. | Willard, N. C. (Mar. 10-23, 1913) | To supervise experimental plantings of grapevines. | 50.22 | Do. |
| Do. | do. | Willard, Troyville, Sandy Cross, N. C. (May 13-June 30, 1913). | To conduct pollination and other experiments with grapes. | 151.20 | Do. |

| Dehnis, S. J. | Refrigeration technologist. | Nebula, Ga., and vicinity (July 1-31, 1912). | To conduct peach precooling experiments, in connection with fruit transportation and storage investigations. | 88.90 | Do. |
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| Do. | do. | St. Paul, Minn.; North Yakima, Tacoma, Puyallup, Wash.; Hood River, Salem, Medford, Oreg.; San Francisco, Santa Rosa, Berkeley, Fresno, Sebastopol, Cal. (Sept. 21-Oct. 29, 1912). | To supervise experiments in fruit precooling, transportation and storage, and confer with railway officials and others regarding the work. | 377.05 | Do. |
| Do. | do. | Atlanta, Macon, Fort Valley, Ga. (June 16-30, 1913). | To prepare for and conduct peach precooling experiments. | 66.29 | Do. |
| Derr, H. B. | Agronomist. | Baltimore, Md. (Oct. 2, 1912). | To arrange for cooperative experiments in the cultivation of cereals. | 4.04 | General expenses, B. P. I., 1913 (cereal investigations). |
| Do. | do. | Richmond, Va.; Raleigh, Statesville, N. C.; Rock Hill, Hartsville, Columbia, S. C.; Augusta, Athens, Ga.; Knoxville, Tenn. (May 19-June 16, 1913). | To investigate the production of rye, and consult experiment station officials and farmer cooperators concerning the work. | 110.43 | Do. |
| Do. | do. | Lethbridge, Canada (Oct. 11-Nov. 1, 1912). | To assist in installation and demonstration of exhibits of cereals at International Dry Land Congress. | 214.95 | International Dry Land Congress, Lethbridge, Canada, 1913. |
| Dewey, Geo. W. | Scientific assistant. | Denver, Colo.; Grand Forks, Fargo, N. Dak.; Puyallup, North Yakima, Wash.; Dilworth, Minn.; Portland, Hood River, Oreg. (July 1-Nov. 18, 1912). | To inspect shipments of experimental lots of berries, peaches, and other fruit in connection with fruit transportation and storage investigations. | 500.93 | General expenses, B. P. I., 1913 (pomological investigations). |
| Do. | do. | Miami, Coconut Grove, Homestead, Tampa, Winter Park, Lakeland, Winter Haven, Viking, Fla. (Nov. 20, 1912-June 30, 1913). | To assist in pomelo picking, packing, storing, and curing experiments, and to assist in the investigations of pineapple handling and precooling. | 443.77 | Do. |
| Dewey, Lyster H. | Botanist. | Pierceton, Ind., and vicinity (Sept. 3-7, 1912). | To inspect hemp and methods of handling the hemp crop. | 43.25 | General expenses, B. P. I., 1913 (crop technology). |
| Do. | do. | Lexington, Paris, Ky. (Apr. 27, May 1, 1913). | To conduct investigations in the production of hemp and to witness the operation of new hemp-cleaning machine. | 56.15 | Do. |
| Do. | do. | Springdale, Mass. (June 23-26, 1913). | To inspect a ramie decorticating machine in operation and study processes for preparing and spinning ramie fiber. | 32.90 | Do. |
| Dixon, H. M. | Assistant. | Wooster, Toledo, Ohio; Adrian, Morenci, Mich.; Avondale, Pa., and vicinity (July 15-Sept. 21, 1912). | To supervise farm-management surveys. | 119.98 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Portland, Salem, Shaw, Pratum, Silverton, Gervais, Oreg. (Oct. 1-Nov. 14, 1912). | do. | 323.00 | Do. |
| Do. | do. | Newton, N. C., and vicinity (May 27-June 16, 1913). | do. | 61.30 | Do. |
| Dodge, L. G. | Assistant agriculturist. | Beverly, Concord, West Newbury, Mass.; White River, Rutland, Vt. (Aug. 12-Dec. 28, 1912). | To investigate systems of farm management and practice and encourage the adoption of improved methods of farming. | 515.58 | Do. |
| Do. | do. | West Newbury, Amherst, Mass.; Durham, N. H.; White River, St. Johnsbury, Brattleboro, Vt., and adjacent points. (Jan. 24-June 30, 1913, 4 trips). | do. | 551.48 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------------|------------------------------|---|---|----------------|--|
| Dorsetti, P. H..... | Expert plant introducer. | Bellingham, Wash.; Chico, Middle River, Cal.; Denver, Colorado Springs, Colo. (July 1-Sept. 3, 1912). | To inspect work at the various plant-introduction gardens. | \$191.28 | Purchase and distribution of valuable seeds, 1913 (foreign seed and plant introduction). |
| Do..... | do..... | Indian Head, Moose Jaw, Canada; Mandan, N. Dak.; Ames, Iowa (Sept. 14-28, 1912). | To inspect work at plant breeding and testing stations and to assist in locating a site for a demonstration and testing station at Mandan. | 170.05 | General expenses, B. P. I., 1913 (northern Great Plains field station). |
| Doyle, C. B..... | Scientific assistant..... | Norfolk, Va., and vicinity (Aug. 20-29, 1912). | To take notes on Egyptian-cotton experiments in connection with crop acclimatization and cotton breeding. | 18.50 | General expenses, B. P. I., 1913 (crop acclimatization). |
| Do..... | do..... | San Antonio, Tex.; El Centro, Holtville, Meleoland, Chermont, Bard, Altadena, San Marino, Los Angeles, Santa Barbara, Cal. (Sept. 21, Nov. 18, 1912). | To inspect cotton experiments and take notes and photographs in connection with investigations in crop acclimatization and adaptation and cotton breeding. | 407.65 | Do. |
| Do..... | do..... | Victoria, San Antonio, Tex.; Bard, Indio, Cal. (June 9-30, 1913). | To assist with experiments in the acclimatization and breeding of cotton. | 218.25 | Do. |
| Drake, J. A..... | Assistant agriculturist..... | Ada, Wooster, Columbus, Ohio; La Fayette, South Bend, Mooresville, La Porte, Granger, Ind.; Carrollton, De Kalb, Springfield, Chicago, Ill.; St. Louis, Mo. (July 1-Dec. 31, 1912). | To carry on farm-management demonstration work and conduct investigations in farm organization, administration, and practices. | 382.64 | General expenses, B. P. I., 1913 (farm management). |
| Do..... | do..... | Ada, Wooster, Columbus, Ohio; La Fayette, South Bend, Mooresville, La Porte, Granger, Ind.; Carrollton, De Kalb, Springfield, Chicago, Ill.; St. Louis, Mo. (Mar. 6-June 30, 1913). | do..... | 260.09 | Do. |
| Duvall, Carroll F..... | Assistant..... | Oklahoma, Yukon, Chickasha, and adjacent points, Okla. (Oct. 16, 1912-Jan. 22, 1913). | To collect cotton samples, assist in making records, and other work in connection with cooperative cotton handling and marketing. | 508.95 | General expenses, B. P. I., 1913 (cotton standardization). |
| Duvel, J. W. T..... | Crop technologist..... | Norfolk, Va. (Oct. 1-4, 1912)..... | To attend the annual convention of the Grain Dealers' National Association in order to participate in the conferences and discussions relative to the specifications and rules for grading commercial grains. | 17.10 | General expenses, B. P. I., 1913 (grain standardization). |
| Do..... | do..... | Columbus, Kingston, Cincinnati, Ohio; New Orleans, Lake Charles, Crowley, La.; Houston, Beaumont, Tex.; Decatur, Chicago, Ill. (Nov. 1-17, 1912). | To inspect work at the grain-standardization laboratories, and study methods of harvesting, handling, and milling of rice, corn, and other grains. | 108.08 | Do. |

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| Do..... | do..... | Lima, Ohio; Chicago, Decatur, Ill.; Indianapolis, Ind. (Jan. 9-23, 1913). | To address the Council of Grain Exchanges in Chicago, on the subject of grain standardization, and the Indiana Grain Dealers' Association on Federal standardization of grain, and to investigate the grading, handling, and marketing of grain. | 129.33 | Do. |
| Do..... | do..... | Cincinnati, Dayton, Ohio (June 15-19, 1913). | To secure information relative to conditions affecting grain-standardization investigations. | 49.70 | Do. |
| Do..... | do..... | Chicago, Ill.; Milwaukee, Wis.; Toledo, Ohio (June 25-29, 1913). | To confer with the officials of the inspection departments and members of grain exchanges relative to standard grades of corn. | 72.08 | Do. |
| Earle, D. E..... | Expert..... | Anderson, S. C. (July 4-8, 1912). | To confer with millers and growers relative to furnishing cotton to be used in the preparation of official cotton grades. | 38.00 | General expenses, B. P. I., 1913 (cotton standardization). |
| Do..... | do..... | Raleigh, N. C.; Florence, Lamar, Dartington, Hartsville, S. C. (Aug. 20-24, 1912). | To supervise the picking, storing, ginning, and baling of types of cotton suitable for conducting tests in connection with cotton-standardization investigations. | 51.50 | Do. |
| Do..... | do..... | Waco, Tex.; Central, Hartsville, S. C. (Sept. 4-19, 1912). | do..... | 122.00 | Do. |
| Do..... | do..... | Vicksburg, Greenville, Shelby, Scotts, Meridian, Miss.; Mounds, La.; Central, S. C. (Sept. 22-Oct. 1, 1912). | do..... | 127.24 | Do. |
| Do..... | do..... | Boston, Mass. (Dec. 18-21, 1912). | To test experimental lots of cotton for use in cotton standardization investigations. | 38.51 | Do. |
| Do..... | do..... | Baltimore, Md. (Mar. 18, 19, 1913). | To inspect cotton mills and select types of cotton suitable for cotton grading and standardization. | 5.95 | Do. |
| Do..... | do..... | Lynchburg, Danville, Va. (Apr. 2-5, 1913). | do..... | 18.55 | Do. |
| Do..... | do..... | Raleigh, N. C.; Clemson College, S. C.; Danville, Va. (Apr. 23-26, 1913). | do..... | 39.90 | Do. |
| Do..... | do..... | Greenville, S. C.; Atlanta, Ga.; Montgomery, Mobile, Troy, Ala. (June 22-29, 1913). | do..... | 102.13 | Do. |
| Edson, H. A..... | Physiologist..... | Madison, Fair Oaks, Racine, Barron, Canosha, Cortiss, Dallas, Union, Grove, Brill, Rice Lake, Wis.; Garden City, Kans.; Rocky Ford, Longmont, Denver, Fort Collins, Greeley, Colo.; Cleveland, Ohio (Aug. 23, 1912-June 30, 1913). | To study diseases of sugar beets. | 314.47 | General expenses, B. P. I., 1913 (sugar-plant investigations). |
| Ernst, Flora G..... | Scientific assistant..... | La Fayette, Ind. (Jan. 9-May 22, 1913). | To assist in the work of seed testing at the branch seed-testing laboratory. | 79.30 | General expenses, B. P. I., 1913 (seed-testing laboratories). |
| Estabrook, Leon M..... | Executive assistant..... | New York, N. Y.; Jersey City, Passaic, N. J.; Milford, Hartford, New Haven, Wethersfield, Conn.; Greenfield, Fitchburg, Boston, Marblehead, Arlington, Belmont, Fall River, Mass. (July 21-28, 1912). | To inspect automatic seed-weighing machines, nurseries, and trial grounds, and confer with seedsmen and others relative to seed crops under contract for the congressional seed distribution. | 59.46 | Purchase and distribution of valuable seeds, 1913 (congressional seed distribution). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|--------------------|------------------------|--|---|----------------|--|
| Estabrook, Leon M. | Executive assistant. | Newbern, N. C.; Norfolk, Richmond, Va. (Mar. 24-29, 1913). | To inspect plantings of varieties of bulbs growing under contract for congressional distribution. | \$44. 75 | Purchase and distribution of valuable seeds, 1913 (congressional seed distribution). |
| Do. | do. | Kendrick, Idaho; Spokane, Bellingham, Wash. (June 4-28, 1913). | To inspect propagating garden at Bellingham and to investigate the equipment and methods of harvesting seed crops of growers for the department. | 326. 85 | Do. |
| Etherton, W. A. | Farm architect. | Columbus, Ohio; Indianapolis, Lebanon, Antioch, La Fayette, Ind.; Danville, Champaign, Ava, Ill.; Columbus, Sedalia, St. Louis, Mo. (Feb. 1-26, 1913). | To study the housing needs of farmers as aids to the development of model farmhouse plans and to the remodeling and modernizing of old farmhouses as a phase of farm-management investigations. | 161. 06 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | York, Lancaster, Pa.; Brooklyn, Syracuse, Rochester, Utica, Amsterdam, Lockport, Spencerport, Port Jefferson, Buffalo, N. Y.; Hartford, Conn.; Boston, Lexington, Cambridge, Concord, Mass.; Hampton, N. H.; Biddeford, Portland, Brunswick, Lewiston, Me.; Burlington, Vt.; Pittsburgh, Pa. (May 28-June 29, 1913). | do. | 216. 62 | Do. |
| Evans, T. S. | Scientific assistant. | Cheraw, Hartsville, Bennettsville, Florence, Sumter, Charleston, S. C.; Savannah, Ga. (Sept. 8-Oct. 25, 1912). | To secure cotton samples for use in the preparation of official cotton grades. | 235. 84 | General expenses, B. P. I., 1913 (cotton standardization). |
| Fairechild, David. | Agricultural explorer. | Daytona, Miami, Fla. (Jan. 28-Feb. 7, 1913). | To inspect the plant introduction field station at Miami and to outline plans for further work in propagating and testing new plant introductions. | 89. 45 | General expenses, B. P. I., 1913 (special seeds and plants). ¹ |
| Farrell, F. D. | Agronomist. | Mitchell, Nebr.; Newell, S. Dak.; Osborn, Mont.; Williston, N. Dak.; Hermiston, Oreg.; Stockton, Chico, Biggs, Cal.; Fallon, Hazen, Nev.; Ogden, Utah; San Antonio, Tex. (Aug. 7-Oct. 13, 1912). | To investigate conditions relating to agriculture under irrigation and to inspect work in progress and direct further experiments on the irrigation projects. | 424. 85 | General expenses, B. P. I., 1913 (western irrigation agriculture). |
| Do. | do. | San Antonio, Tex.; Sacaton, Ariz., and vicinity; Bard, El Centro, San Francisco, Stockton, Cal.; Fallon, Nev.; Gooding, Jerome, Twin Falls, Rupert, Idaho; Mitchell, Nebr. (May 11-June 30, 1913). | do. | 436. 45 | Do. |

| Fernald, J. F. | Mechanical assistant. | Puyallup, North Yakima, Wash. (July 1-Nov. 15, 1912). | To assist in operating portable refrigerating plant in the precooling and handling experiments with berries, peaches, and other fruit, in connection with the fruit transportation and storage investigation. | 470.07 | General expenses, B. P. I., 1913 (pomological investigation). |
|-------------------|--------------------------|--|---|--------|---|
| Do. | do. | Sebastopol, Cal. (May 21-June 30, 1913). | To install an experimental precooling plant for use in the study of methods of handling and shipping fruit. | 302.20 | Do. |
| Fidler, John L. | Scientific assistant. | Paris, Grandview, Metcalfe, Newman, Tuscola, Broadlands, Danville, Sidell, Champlain, Bloomington, Springfield, Jerseyville, Ill.; Columbia, Mo. (Nov. 2, 1912-Jan. 2, 1913). | To study the relation of types of farming to the maintenance of soil fertility, in connection with farm-management investigations. | 299.77 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Jacksonville, Springfield, Decatur, Clinton, Lincoln, Bloomington, Ill. (Apr. 6-June 30, 1913). | do. | 288.38 | Do. |
| Fisher, D. F. | do. | Camden, Del. (July 1-Aug. 31, 1912). | To conduct spraying experiments and demonstrations in the control of apple and peach diseases. | 25.80 | General expenses, B. P. I., 1913 (fruit diseases). |
| Do. | do. | Camden, Del. (Sept. 25-28, 1912). | To record results of spraying experiments in the control of apple and peach diseases. | 17.64 | Do. |
| Do. | do. | Ferrville, Mich.; Spokane, Cashmere, Wenatchee, Leavenworth, Wash. (Mar. 31-June 30, 1913). | To conduct investigations in the control of bitter pit and other diseases of the apple. | 321.40 | Do. |
| Fletcher, W. F. | do. | Knoxville, Friendsville, Cleveland, Chattanooga, Dayton, Fayetteville, Franklin, Gallatin, Tenn.; Clarksville, Bowling Green, Louisville, Shelbyville, Ky.; Charleston, Martinsburg, W. Va., and other points in States named (Aug. 4-Oct. 1, 1912). | To study topography, general conditions of soil, and other features pertaining to varietal adaptability in connection with fruit-production investigations. | 322.54 | General expenses B. P. I., 1913 (pomological investigations). |
| Fowler, M. E. | Draftsman. | Baltimore, Md. (Jan. 7-Feb. 5, 1913). | To assist in preparing reports of experiments relative to grading, handling, and marketing of grain, with special reference to the preparation of graphic charts. | 45.00 | General expenses B. P. I., 1913 (grain standardization). |
| Froley, J. W. | Assistant agriculturist. | Cumberland, Md.; Shellsburg, Pa. (Aug. 8-20, 1912). | To confer with field agents regarding their work in farm-management investigations. | 15.51 | General expenses B. P. I., 1913 (farm management). |
| Do. | do. | Ames, Iowa (Aug. 24-28, 1912). | To collect data on tenant farming, farm credit, and farm insurance in connection with farm management. | 72.20 | Do. |
| Do. | do. | Chicago, Ill.; Des Moines, Iowa; Lincoln, Omaha, Beatrice, Nebr.; Randolph, Columbia, Mo. (Oct. 6-23, 1912). | do. | 145.67 | Do. |
| Do. | do. | Richmond, Norfolk, Va. (Apr. 15-19, 1913). | To study tenant farming and farmers' organizations in connection with farm management. | 30.40 | Do. |
| Funk, W. C. | Scientific assistant. | Rochester, N. Y.; Newark, N. J. (July 25-Aug. 7, 1913). | To collect data on the machinery and power equipment of farms in relation to farm management. | 70.58 | Do. |
| Do. | do. | Madison, Janesville, Edgerton, Wis. (Aug. 16-Sept. 15, 1912). | do. | 195.10 | Do. |
| Galloway, Rankin. | Assistant. | Nebula, Ga. (July 3-31, 1912). | To assist in peach-handling and precooling experiments in connection with fruit transportation and storage. | 81.54 | General expenses B. P. I., 1913 (pomological investigations). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-----------------|--------------------|--|---|----------------|---|
| Garner, W. W. | Physiologist..... | Wilson, Greenville, N. C.; Manning, Timmons-ville, S. C. (July 9-13, 1912). | To inspect experimental work in the culture and improvement of tobacco. | 42.30 | General expenses B. P. I., 1913 (tobacco investigations). |
| Do. | do. | Oxford, Creedmoor, N. C. (Aug. 18-23, 1912). | To make investigations in the curing of tobacco. | 30.38 | Do. |
| Do. | do. | Chatham, Danville, Va. (Aug. 29-30); Lock Haven, Pa.; Baldwinville, N. Y. (Sept. 4-6, 1912). | To inspect tobacco-culture experiments and confer with local assistants. | 17.70 | Do. |
| Do. | do. | Clarksville, Tenn.; Lexington, Ky. (Sept. 12-13, 1912). | do. | 70.32 | Do. |
| Do. | do. | Suffield, Thompsonville, Conn.; Boston, Mass. (Sept. 29-Oct. 6, 1912). | do. | 42.17 | Do. |
| Do. | do. | Creedmoor, Oxford, N. C.; Skipwith, Va. (Nov. 10-19, 1912). | do. | 42.75 | Do. |
| Do. | do. | Oxford, N. C. (Feb. 24-27, 1913). | do. | 17.30 | Do. |
| Do. | do. | Lancaster, York, Pa. (Apr. 28-30, 1913). | do. | 11.24 | Do. |
| Do. | do. | Bowling Green, Va. (May 16, 1913). | do. | 6.40 | Do. |
| Gilbert, W. W. | Pathologist..... | Weyanoke, Va.; Denmark, Bamberg, Monetta, Florence, S. C.; Headland, Ala.; Quincy, Fla. (Aug. 19-31, 1912). | To investigate diseases of cowpeas, cotton, watermelons, and other truck crops. | 116.45 | General expenses, B. P. I., 1913 (cotton and truck diseases). |
| Do. | do. | Florence, Columbia, Monetta, S. C. (Sept. 20-Oct. 18, 1912). | To take notes on cotton and cowpea experiments and harvest experimental crops. | 106.58 | Do. |
| Do. | do. | Atlanta, Americus, Vienna, Lumpkin, Ga.; Auburn, Headland, Ala.; Starksville, Jackson, Bolton, Newton, Miss. (Oct. 29-Nov. 13, 1912). | do. | 139.70 | Do. |
| Goodrich, C. L. | Agriculturist..... | Rock Hill, Columbia, Darlington, Aiken, Raleigh, N. C.; Russellville, Little Rock, Ark.; Oklahoma, Enid, Perry, Snyder, Okla.; Birmingham, Boligee, Uniontown, Talladega, Munford, Ala. (Aug. 23-Oct. 17, 1912). | To advise with agents in reference to farm management, field studies, and demonstrations. | 201.03 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Columbia, Sumner, Rock Hill, S. C.; Raleigh, N. C. (Mar. 10-22, 1913). | To study farm-labor distribution and to confer with field agents and cooperators relative to farm management, field studies, and demonstrations. | 80.80 | Do. |
| Do. | do. | Baton Rouge, Ethel, and adjacent points, La.; Birmingham, Ala.; Little Rock, Ark.; Columbia, S. C. (Apr. 12-28, 1913). | To study farm practice and farm organization and consult with State leaders and county agents regarding their work in farm management, field studies, and demonstrations. | 180.77 | Do. |

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| Do. | Raleigh, Newton, N. C.; Columbia, S. C. (May 26-June 19, 1913). | To conduct inoculation experiments with leguminous crops. | General expenses, B. P. I., 1913 (bacteriology and nutrition). Do. |
| Goll, F. L. | Salem, Ohio; Somerset, Rockwood, Schellsburg Pa. (July 1-18, 1912). | To collect nonleguminous nodule-bearing plants for study in connection with nitrogen-fixing experiments. | 65.03 |
| Do. | Philadelphia, Pa.; Riverton, Wenonah, N. J. (Aug. 6-10, 1912). | To take notes on results of field inoculation experiments with soy beans and alfalfa and consult experiment station officials regarding the work. | 14.16 |
| Do. | New Paris, Schellsburg, Somerset, Critchfield Rockwood, Pa.: Salem, Winona, Ohio. (Sept. 13-28, 1912). | To conduct experiments in the inoculation of soy beans with nitrogen-fixing bacteria, take notes on results of past season's work, and arrange for further tests and experiments. | 74.96 |
| Do. | Fort Spring, Elkins, W. Va.; Cumberland, Md.; Schellsburg, Somerset, Sayre, Milan, Philadelphia, Rockwood, Pa.; Salem, Wooster, Dayton, Ohio. (May 25-June 24, 1913). | To study varietal adaptability and fruit-production problems. | 159.68 |
| Gould, H. P. | Knoxville, Harriman, Crossville, Lebanon, Nashville, Bellevue, Tenn.; Lexington, Ky.; Huntington, Morgantown, W. Va. (Aug. 4-14, 1912). | do. | 79.95 |
| Do. | Charles City, Ames, Iowa; Akron, Colo.; Farmingdale, Ill.; Geneseo, N. Y. (Sept. 9-22, 1912). | do. | 121.09 |
| Grant, C. V. | Orange City, Fla.; Charleston, Summer-ville, Rantowles, S. C. (Nov. 16-28, 1912). | To inspect and inventory Government property and experimental stock at bureau experiment stations, noting condition, value, etc. | 97.40 |
| Green, E. C. | Brownsville, Troupe, College Station, Temple, Waco, San Antonio, Corpus Christi, Austin, Delina, Sarita, Bourne, Houston, Dallas, Tex. (Nov. 7-Dec. 29, 1912). | To inspect cooperative experiments and arrange for further propagation and tests of foreign seed and plant introductions. | 289.30 |
| Griffiths, David. | Brownwood, Waco, Fort Worth, Amarillo, Tex.; Tucumcari, N. Mex.; Trinidad, Salida, Durango, Grand Junction, Colo.; Ogden, Utah; Green River, Wyo.; Chico, San Francisco, Cal.; Tucson, Ariz. and other points en route (July 1-Oct. 8, 1912). | To inspect and study cooperative prickly-pea plantings, secure propagating material and obtain information relative to their utilization. | 288.28 |
| Do. | Chico, Willows, Hamilton, Sacramento, Merced, Vacaville, San Jose, Ventura, Santa Barbara, Los Angeles, Riverside, San Bernardino, Lakeside, Whittier, Redlands, Cal.; Tucson, Ariz.; San Antonio, Kerrville, Tex. (Jan. 25-Mar. 20, 1913). | do. | 73.85 |
| Do. | Chico and other points in California (June 8-30, 1913). | To continue cactus and grazing-land investigations. | 300.35 |
| | | | 313.96 |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name | Title | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|-----------------------|--|---|----------------|---|
| Grossenbacher, J. G. | Pathologist | Jacksonville, Gainesville, Orlando, Bradentown, Tampa, Miami, Fla., and adjacent points (Sept. 26-Oct. 17, 1912). | To investigate diseases of citrus and other sub-tropical fruits. | \$194.03 | General expenses, B. P. I., 1913 (fruit diseases). |
| Do. | do. | Jacksonville, Orlando, Tampa Palmetto, Tera Ceia Island, Fla. (Dec. 2-16, 1912). | do. | 120.33 | Do. |
| Do. | do. | Orlando, Florence Villa, Palmetto, Tampa, Crescent City, Fla. (Feb. 1-Mar. 2, 1913). | do. | 191.95 | Do. |
| Do. | do. | Orlando, Tampa, Sulphur Springs, Waco, Palmetto, Winter Park, De Land, Fla. (Apr. 13-May 2, 1913). | do. | 144.05 | Do. |
| Do. | do. | Orlando, Winter Haven, Florence Villa, Palmetto, Fla. (June 16-29, 1913). | do. | 117.11 | Do. |
| Grubb, N. H. | Scientific assistant | Honeoye Falls, N. Y. (Oct. 9-15, 1912). | To harvest experimental beans in connection with general horticultural investigations. | 24.98 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Do. | do. | Honeoye Falls, N. Y. (June 24-29, 1913). | To plant experimental plots of field beans. | 37.79 | Do. |
| Hammerly, J. M. | Assistant | Grassymeade, Ocoquan, Round Hill, Va. (July 1, 1912-May 28, 1913). | To conduct experiments in corn cultivation and improvement. | 139.95 | General expenses, B. P. I., 1913 (cereal investigations). |
| Do. | do. | Columbia, St. Charles, Darlington, Lykesland, S. C.; Round Hill, Va. (Sept. 11-Oct. 11, 1912). | do. | 102.78 | Do. |
| Do. | do. | Columbia, Childs, Newberry, Spearman, S. C. (Apr. 13-23, 1913). | do. | 63.75 | Do. |
| Harlan, Harry V. | Agronomist | St. Paul, Minn., and vicinity (July 1-Oct. 24, 1912). | To continue work of barley improvement and production. | 110.10 | Do. |
| Harter, L. L. | Pathologist | Vineland, Swedesboro, Wolfert, N. J. (July 28-31, 1912). | To investigate sweet-potato diseases. | 25.48 | General expenses, B. P. I., 1913 (cotton and truck diseases). |
| Do. | do. | Norfolk, Va., and vicinity (Aug. 19-22, 1912). | do. | 19.35 | Do. |
| Do. | do. | Vineland, Swedesboro, Woodbury, N. J. (Oct. 13-24, 1912). | do. | 60.32 | Do. |
| Do. | do. | Vineland, Swedesboro, Woodbury, N. J. (Apr. 9-17, 1913). | do. | 52.12 | Do. |
| Hartley, Carl | Assistant pathologist | Lincoln, Halsey, Nebr.; Garden City, Kans.; Fort Bayard, Albuquerque, Las Vegas, N. Mex.; Colorado, Fairfield, Iowa; St. Paul, Minn.; Woodruff, Madison, Milwaukee, Wis.; Chicago, Ill.; Lansing, Mich. (July 1-Sept. 30, 1912). | To conduct investigations of diseases of forest nursery stock and forest and ornamental trees, including the chestnut-bark disease. | 291.32 | General expenses, B. P. I., 1913 (forest pathology). |

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| Do. | do. | 63.99 | Do. |
| Harley, C. P. | Physiologist. | 163.86 | General expenses, B. P. I., 1913 (cereal investigations). |
| Do. | do. | 11.45 | Do. |
| Do. | do. | 85.02 | Do. |
| Do. | do. | 71.41 | Do. |
| Hawkins, Lon A. | Scientific assistant. | 62.12 | General expenses, B. P. I., 1913 (fruit diseases). |
| Hedcock, Geo. G. | Pathologist. | 188.47 | Investigating the chestnut tree bark disease, 1913. |
| Hite, Bertha C. | Scientific assistant. | 385.11 | General expenses, B. P. I., 1913 (forest pathology). |
| Hitchcock, A. E. | Collaborator. | 107.50 | General expenses, B. P. I., 1913 (seed-testing laboratories). |
| Do. | do. | 338.76 | General expenses, B. P. I., 1913 (taxonomic and range investigations). |
| Hitchcock, A. S. | Systematic agrostologist. | 146.65 | Do. |
| Do. | do. | 481.54 | Do. |
| Humphrey, H. B. | Pathologist. | 150.35 | Do. |
| Do. | do. | 7.00 | General expenses, B. P. I., 1913 (cereal investigations). |
| Do. | do. | 286.47 | Do. |
| Humphrey, H. N. | Scientific assistant. | 67.79 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | 218.92 | Do. |
| Do. | do. | 17.06 | Do. |

Saranac Inn., Cold Spring Harbor, Westbury, N. Y.; Burlington, Randolph, Vt.; Keene, N. H.; Groton, Mass.; New Haven, Conn.; Morrisville, Pa. (Nov. 6-17, 1912).

Pikeeton, Ohio; Oconomowoc, Wis.; Battle Creek, Mich.; Geneva, Ithaca, N. Y.; Springfield, Boston, Mass. (July 19-Sept. 4, 1912).

Gaithersburg, Md.; Grassmeade, Round Hill, Va. (Sept. 26-Oct. 10, 1912).

Pikeeton, Ohio (Oct. 12-31, 1912).

Pikeeton, Ohio (June 7-21, 1913).

Kalamazoo, Lawton, Mich. (Aug. 12-19, 1912).

Lansing, Mich.; Denver, Frazer, Vasquez, Corona, Rollinsville, Colorado Springs, Leadville, Colo.; Ephraim, Ogden, Utah; Anaconda, Missoula, Great Falls, Butte, Bozeman, Mont.; Lincoln, Nebr.; St. Louis, Mo.; Ottumwa, Iowa (Aug. 17-Nov. 6, 1912).

Columbia, Mo. (Oct. 1, 1912-June 4, 1913).

Kingston, and other points in Jamaica, and points in Trinidad and adjacent islands (Sept. 16, 1912-Jan. 9, 1913).

Topeka, Kans.; Adamana, Ariz. (June 20-30, 1913).

Kingston, and other points in Jamaica, and points in Trinidad and adjacent islands (Sept. 16, 1912-Jan. 9, 1913).

Topeka, Kans.; Adamana, Ariz. (June 20-30, 1913).

Philadelphia, Pa. (Mar. 15-17, 1913).

Manhattan, Kans.; St. Paul, Albertville, St. James, Elk River, Granite Falls, Minn.; Madison, Wis.; Fargo, Dickinson, N. Dak.; Bozeman, Mont.; Pullman, Wash. (June 3-30, 1913).

Rochester, Medina, N. Y. (July 25-Aug. 7, 1912).

Chicago, Ill.; Madison, Stoughton, Viroqua, Wis. (Aug. 16-Sept. 26, 1912).

York, Pa. (Oct. 2-5, 1912).

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------------|---|---|---|----------------|--|
| Humphrey, H. N. | Scientific assistant | Philadelphia, Pa. (Oct. 8-10, 1912) | To collect creamery data for use in a farm survey of Chester County. | \$15.62 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Roxbury, Ithaca, Watertown, Hobart, Delhi, Hallsottsville, N. Y. (Mar. 17-Apr. 12, 1913). | To collect data on farm equipment, especially on dairy farms, in connection with farm management investigations. | 123.43 | Do. |
| Do. | do. | Philadelphia, Avondale, Pa.; New York, N. Y.; Manchester, Epsom, N. H. (May 1-June 6, 1913). | do. | 154.94 | Do. |
| Do. | do. | Madison, Waukesha, Milwaukee, Wis.; Woodstock, Chicago, Ill.; Indianapolis, Ind.; Louisville, Ky. (June 16-28, 1913). | do. | 118.38 | Do. |
| Humphries, W. R. | Assistant. | Geneseo, Rochester, Batavia, Lockport, N. Y.; Madison, Stoughton, Viroqua, Jamesville, Evansville, Wis.; Elizabethtown, Pa. (July 25-Oct. 12, 1912). | To collect data on the building and equipment requirements of farms in relation to farm management. | 399.91 | Do. |
| Hunt, Nicholas R. | Scientific assistant | Bluemont, Va., and vicinity; Orange, Rapidan, Gordonsville, Charlottesville, Va. (Mar. 28-June 30, 1913). | To investigate the chestnut tree bark disease. | 132.32 | Investigating the chestnut tree bark disease, 1913 |
| Husman, Geo. C. | Pomologist. | Ithaca, Geneva, Fredonia, Brockton, Westfield, Ripley, N. Y.; Vineland, N. J. (Aug. 11-16, 1912). | To consult with experiment station officials and inspect the cooperative viticultural experiments. | 46.59 | General expenses, B. P. I., 1913 (pomological investigations). |
| Do. | do. | Vineland, N. J. (Sept. 4-9, 1912). | To superintend the picking and shipping of grapes at the experimental vineyard. | 21.97 | Do. |
| Do. | do. | Willard, N. C. (Sept. 11-13, 1912). | To inspect experimental work at the viticultural experiment vineyard. | 24.90 | Do. |
| Do. | do. | Collax, Sacramento, Napa, Sonoma, Los Angeles, Brawley, Indio, Oakville, Fresno, Berkeley, Livermore, Visalia, Lodi, Stockton, Geyserville, Chico, Cal. (Sept. 24-Nov. 28, 1912). | To outline working plans in cooperative experimental vineyards, study viticultural problems, and collect miscellaneous viticultural data. | 472.18 | Do. |
| Do. | do. | Vineland, N. J. (Apr. 8-10, 1913). | To supervise grafting and other experiments in the culture and improvement of grapes at the cooperative experiment vineyard. | 15.67 | Do. |
| Do. | do. | Willard, N. C. (June 23-25, 1913). | To inspect Muscadine grape experiments and give instruction for continuation of work. | 28.30 | Do. |
| Do. | do. | Vineland, N. J. (June 27-30, 1913). | To inspect experimental work at the cooperative experimental vineyard. | 21.49 | Do. |
| Jackson, Frank H. | Architect and superintendent of construction. | Ardmore, S. Dak.; Tucumcari, N. Mex.; Garden City, Kans.; Denver, Colo. (Aug. 14-Nov. 16, 1912). | To assist in the preparation of specifications for bids for buildings at dry-land stations and to superintend construction of buildings. | 403.83 | General expenses, B. P. I., 1913 (dry-land agriculture). |
| Do. | do. | Mandan, N. Dak. (Apr. 2-June 30, 1913). | do. | 102.15 | Do. |

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|---------------------------|---------------------------|--|--|--------|---|
| Jacobs, Cora..... | Scientific assistant..... | Baton Rouge, La. (Nov. 4, 1912-June 7, 1913). | To take charge of the branch seed testing laboratory. | 105.30 | General expenses, B. P. I., 1913 (seed testing laboratories). |
| Jamieson, Clara O..... |do..... | Norfolk, Va., and vicinity (June 30, 1913). | To investigate diseases of cucumbers and other truck crops. | 7.00 | General expenses, B. P. I., 1913 (cotton and truck diseases). |
| Johnson, Ray R..... | Assistant..... | Ithaca, N. Y.; San Antonio, Tex. (May 30-June 30, 1913). | To assist in the care and cultivation of experiments in the acclimatization and breeding of cotton. | 95.51 | General expenses, B. P. I., 1913 (crop acclimatization). |
| Jones, R. W..... | Scientific assistant..... | White River, Woodstock, Vt. (May 7-June 30, 1913). | To study weeds and investigate methods for their eradication as a feature of farm management. | 146.00 | General expenses, B. P. I., 1913 (farm management). |
| Jones, W. Ralph..... |do..... | Vineland, Morrestown, Egg Harbor, Gloucester, Atlantic, Glassboro, Camden, N. J.; Philadelphia, Pa. (July 1-Sept. 30, 1912). | To investigate diseases of the grape and small fruits. | 57.10 | General expenses, B. P. I., 1913 (fruit diseases). |
| Do..... |do..... | Vineland, N. J., and vicinity; Philadelphia, Pa. (Mar. 3-31, 1913). |do..... | 8.21 | Do. |
| Do..... |do..... | Vineland, N. J., and vicinity; Philadelphia, Pa. (Apr. 3-June 30, 1913). |do..... | 59.71 | Do. |
| Kause, Robt. L..... | Assistant..... | Memphis, Tenn.; Little Rock, Ark. (June 24-30, 1913). | To conduct investigations in the grading and standardization of cotton. | 115.50 | General expenses, B. P. I., 1913 (cotton standardization). |
| Kearney, T. H..... | Physiologist..... | Akron, Grand Junction, Colo.; Salt Lake City, Tooele, Utah; El Centro, Bard, Los Angeles, Chico, Cal.; Phoenix, Mesa, Sacaton, Ariz.; Deadwood, Newell, Bellefourche, S. Dak. (July 6-Nov. 1, 1912). | To study the physiology of alkali and drought resistance, investigate the indicator value of native vegetation in breeding Egyptian cotton. | 796.87 | General expenses, B. P. I., 1913 (alkali and drought-resistant plants). |
| Keitt, Geo. W..... | Scientific assistant..... | Cornelia, Atlanta, Fort Valley, Cleveland, Ga. (July 1-Sept. 30, 1912). | To investigate diseases of peach and cherry and conduct spraying experiments for their control. | 66.32 | General expenses, B. P. I., 1913 (fruit diseases). |
| Do..... |do..... | Cornelia, Ga. (Mar. 22-June 30, 1913). |do..... | 104.36 | Do. |
| Kellerman, Karl F..... | Pathologist..... | Shiprock, N. Mex.; Phoenix, Tempe, Sacaton, Tucson, Ariz.; Riverside, San Francisco, Cal.; San Antonio, Tex. (Sept. 27-Oct. 30, 1912). | To inaugurate permanent experiments in soil bacteriology in relation to plant nutrition; to study soil conditions at bureau experiment stations, and carry on various bacteriological investigations. | 486.45 | General expenses, B. P. I., 1913 (bacteriology and nutrition). |
| Kellerman, Maude..... | Botanical assistant..... | Philadelphia, Pa. (Apr. 24-27, 1913). | To consult literature and examine specimens in botanical gardens and museums in connection with the breeding and testing of new and hardy types of citrus fruits and the study of the wild relative of the citrus group. | 26.35 | General expenses, B. P. I., 1913 (crop physiology). |
| Kelly, J. W..... | Assistant..... | Greycliff, Mont. (Apr. 28-May 2, 1913). | To assist in field investigations of the poisonous plants of the western stock ranges. | 72.50 | General expenses, B. P. I., 1913 (drug and other plants). |
| Knowlton, H. E..... | Scientific assistant..... | Medford, Oreg. (Aug. 24-Oct. 29, 1912). | To assist in fruit handling, precooling, and storage experiments. | 370.75 | General expenses, B. P. I., 1913 (pomological investigations). |
| Kotterman, Chester A..... | Assistant..... | Bennettsville, Charleston, Clio, Easley, S. C. (Sept. 27-Dec. 24, 1912). | To assist in field investigations in connection with the cooperative handling and marketing of cotton. | 355.37 | General expenses, B. P. I., 1913 (cotton standardization). |
| Do..... |do..... | Easley, S. C. (Jan. 12-23, 1913). |do..... | 73.35 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------------|-------------------------|---|---|----------------|---|
| Kyle, Curtis H. | Assistant physiologist. | Columbia, St. Charles, Darlington, Lykesland, Edisto Island, Ridgeway, Newberry, Laurens, Balentine, S. C.; Augusta, Ga.; Mount Myers, Labelle, Fla. (Aug. 31–Nov. 11, 1912). | To supervise the harvesting of cooperative experimental corn; take notes on results of the work; select seed corn and arrange future cooperative work. | \$330.05 | General expenses, B. P. I., 1913 (cereal investigations). |
| Do. | do. | Columbia, Childs, Newberry, Spearman, S. C. (Apr. 12–23, 1913). | To supervise planting experimental plats of corn in cooperation with the South Carolina Corn Breeders' Association. | 66.70 | Do. |
| Do. | do. | Grassymead, Round Hill, Va.; Columbia, Childs, S. C. (May 2–23, 1913). | To inspect experimental plats of corn..... | 61.25 | Do. |
| Lake, E. R. | Assistant pomologist. | Harrisburg, Carlisle, Lancaster, Pa.; Trenton, Bordentown, N. J.; Baltimore, Md. (Dec. 16–22, 1912). | To inspect plantings of Persian walnuts, and study general conditions of the walnut industry; and to address the Northern Nut Growers' Association on the "Persian walnut industry." | 29.77 | General expenses, B. P. I., 1913 (pomological investigations). |
| Leighty, Clyde E. | Expert | Columbia, S. C. (Jan. 23–30, 1913)..... | To attend the American Breeders' Association and National Corn Exposition, for the purpose of studying the exhibits of cereals and consulting with experiment station officials and farmers upon matters relating to cereal production and cereal diseases. | 37.95 | General expenses, B. P. I., 1913 (cereal investigations). |
| Do. | do. | Ithaca, N. Y. (Mar. 20–Apr. 3, 1913)..... | To study cooperative experiments in the breeding of cereals, and prepare data for publication. | 83.35 | Do. |
| Lewis, K. B. | Scientific assistant | Lansing, Mich.; Chicago, Ill.; Portland, Hood River, Ore.; San Francisco, Watsonville, Santa Rosa, Sebastopol, Cal. (Nov. 20, 1912–June 30, 1913). | To assist in experiments in fruit transportation and storage. | \$29.02 | General expenses, B. P. I., 1913 (pomological investigations). |
| Lombard, P. Maxwell. | do. | Norfolk, Va., and vicinity (May 4–7, 1913)... | To take notes on experimental tests of potato varieties, in connection with general horticultural investigations. | 16.30 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Do. | do. | Houlton, Me.; Honeoye Falls, N. Y. (May 20–June 15, 1913). | To plant experimental plats of potatoes in connection with variety tests and the study of cultural factors pertaining to the improvement of the potato crop. | 93.10 | Do. |
| Do. | do. | Norfolk, Diamond Springs, Portsmouth, Va. (June 17–29, 1913). | To harvest experimental potatoes and take notes on results of potato trials and tests. | 69.85 | Do. |

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|-----------------|--------------------------|---|--|--------|--|
| Long, W. H. | Forest pathologist. | Cincinnati, Ohio; Memphis, Tenn.; Harrison, Mountain View, and other points in Ark.; Cache, Quarah, Okla.; Amarillo, Fort Worth, Austin, San Antonio, El Paso, Tex.; Albuquerque, Fecos, N. Mex. (Aug. 13-Dec. 16, 1912). | To conduct investigations on forest and ornamental tree diseases, including chestnut bark disease. | 770.53 | General expenses, B. P. I., 1913 (forest pathology). |
| Do. | do. | Philadelphia, Pa.; New York and vicinity; New Berlin, Albany, N. Y.; Boston, Cambridge, Mass.; Providence, R. I. (June 5-23, 1913). | do. | 216.17 | Do. |
| Lute, Anna M. | Scientific assistant. | Berkeley, Cal. (Sept. 17-Nov. 2, 1912). | To take charge of branch seed-testing laboratory. | 122.40 | General expenses, B. P. I., 1913 (seed-testing laboratories). |
| McBeth, I. G. | Physiologist. | Logan, Salt Lake, Nephi, Utah; Columbus, Ohio (July 1-Aug. 21, 1912). | To investigate the bacteriological conditions of the dry and irrigated lands of the Cache Valley, in cooperation with the Utah Experiment Station, to take soil samples and make reconnaissance studies in connection with this work, and to confer with officials of the Ohio State University regarding the extension of cooperative experimental work with soil bacteriology. | 87.20 | General expenses, B. P. I., 1913 (bacteriology and nutrition). |
| Do. | do. | Riverside, Cal. (June 21-30, 1913). | To carry on investigations in soil bacteriology, with special reference to crops under irrigation. | 142.95 | Do. |
| McClure, H. B. | Assistant agriculturist. | Hayti, St. Louis, Kennett, Mo.; Gleason, Paris, Union City, Tenn.; Fulton, Ky.; Newton, Iowa (July 1-Nov. 7, 1912). | To investigate the production, curing, and marketing of hay, in relation to farm management. | 249.86 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | New York, N. Y.; Ridgewood, N. J. (Nov. 13-18, 1912). | To confer with experts regarding equipment for hay-drying investigations. | 33.67 | Do. |
| Do. | do. | Hayti, Mo. (Jan. 23-Feb. 1, 1913). | To confer with manufacturers of hay-curing machinery, arrange for installing machinery at a hay-drying kiln, and secure further data on machinery for hay-curing experiments, in connection with farm management investigations. | 103.07 | Do. |
| Do. | do. | New York, N. Y. (Feb. 28-Mar. 1, 1913). | To consult with specialists regarding the completion of the hay-drying kiln at Hayti, Mo. | 16.50 | Do. |
| Do. | do. | Chicago, Ill.; Hayti, St. Louis, Mo. (Apr. 19-June 7, 1913). | To investigate the production, curing, and marketing of hay in relation to farm management. | 213.65 | Do. |
| Do. | do. | New York, N. Y.; New Village, Plainsboro, N. J. (June 8-16, 1913). | To confer with experts regarding the location and installation of a plant for testing the artificial curing of hay in relation to farm management. | 57.30 | Do. |
| Do. | do. | Hayti, Mo. (June 22-30, 1913). | To investigate the production, curing, and marketing of hay in relation to farm management. | 51.85 | Do. |
| McDowell, J. C. | Agriculturist. | La Fayette, Hartford City, Ind.; Des Moines, Waukesha, Wis.; Kalamazoo, Grand Rapids, Lansing, Mich. (Oct. 1-20, 1912). | To study methods of farm management and practice in connection with field studies and demonstrations. | 168.45 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-----------------------|--------------------|--|---|----------------|--|
| McDowell J. C. | Agriculturist | Windsor, Vt.; Albany, N. Y. (Nov. 6-11, 1912). | To study methods of farm management and practice in connection with field studies and demonstrations. | \$49.76 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Chicago, Ill.; Dausman, Waukesha, Wis.; Pontiac, Springfield, Ill.; Kansas City, Mo.; Manhattan, Kans.; (Dec. 25, 1912-Jan. 6, 1913). | do. | 126.24 | Do. |
| Do. | do. | Middletown, Dover, Smyrna, Del. (Feb. 3-8, 1913). | do. | 27.22 | Do. |
| Do. | do. | Columbia, Mo.; Manhattan, Kans. Lincoln, Nebr. (Feb. 17-28, 1913). | do. | 115.21 | Do. |
| Do. | do. | Madison, Lake Mills, Waukesha, Packwaukee, Portage, Wis.; St. Paul, Minn.; Huron, Brookings, S. Dak.; La Fayette, Ind.; Chicago, Ill.; Lansing, Mich. (Mar. 9-30, 1913). | do. | 186.18 | Do. |
| Do. | do. | Chicago, Ill.; Clinton, Scott, Muscatine Counties, Iowa; Merrick, Seward Counties, Nebr.; Colby, Goodland, Manhattan, Kans.; Columbia, Mo.; La Fayette, Ind. (May 3-24, 1913). | do. | 196.06 | Do. |
| Do. | do. | Woooster, Ohio; Lansing, Flint, Kalamazoo, Mich. (June 22-30, 1913). | do. | 75.15 | Do. |
| McKay, A. W. | Expert. | Atlanta, Nebula, Ga. (July 3-31, 1912) ... | To conduct fruit handling, shipping, and pre-cooling experiments. | 128.30 | General expenses, B. P. I., 1913 (pomological investigations). |
| Do. | do. | North Yakima, Wash.; Medford, Portland, Hood River, Ore. (Aug. 3-Oct. 9, 1912). | do. | 392.46 | Do. |
| Do. | do. | Jacksonville, Gainesville, Miami, Tampa, Orlando, Fort Pierce, Winter Park, Lakeland, Winter Haven, Fla. (Oct. 13, 1912-Mar. 27, 1913). | do. | 863.90 | Do. |
| Do. | do. | Miami, De Land, Winter Park, St. Augustine, Viking, Fort Pierce, Fla. (Apr. 11-June 30, 1913). | do. | 212.40 | Do. |
| McKeever, H. Gregory. | Student assistant. | San Antonio, Tex. (June 9-30, 1913)..... | To assist in the care and cultivation of experimental cotton in connection with the acclimatization and breeding experiments. | 82.55 | General expenses, B. P. I., 1913 (crop acclimatization). |

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|--------------------|----------------------|--|---|----------|--|
| McKenney, R. E. | Pathologist | Reidsville, N. C.; Chatham, Va., and vicinity (Sept. 2-6, 1912). | To carry on investigations of wilt and other diseases of tobacco. | 21.25 | General expenses, B. P. I., 1913 (pathological laboratory). |
| Do. | do. | Points in Jamaica, Panama, the Canal Zone; Costa Rica; Guatemala; Honduras; and New York, N. Y. (Apr. 17-June 30, 1913). | To investigate diseases of bananas and plantains and collect material for pathological studies. | 598.58 | Do. |
| McLachlan, Argyle | Assistant | Los Angeles, Claremont, El Centro, Bard, Holtville, Brawley, Calexico, Cal.; Phoenix, Mesa, Sacaton, Yuma, Casa Grande, Ariz.; Victoria, San Antonio, Tex. (July 1, 1912-Mar. 15, 1913). | To assist in the introduction of the commercial culture of Egyptian and Durango cotton. | 1,406.10 | General expenses, B. P. I., 1913 (crop acclimatization). |
| Do. | do. | Los Angeles, Claremont, El Centro, Bard, Holtville, Brawley, Calexico, Cal.; Phoenix, Mesa, Sacaton, Yuma, Casa Grande, Ariz.; Victoria, San Antonio, Tex. (Apr. 14-June 30, 1913). | do. | 337.70 | Do. |
| McLane, J. W. | do. | Tooele, Grand Junction, Colo.; Riverside, Cal. (July 1-Dec. 31, 1912). | To investigate water requirements of crop and other plants, causes of malnutrition of orchard trees, and the tolerance of plants to the accumulation of alkali in connection with biophysical investigations. | 749.08 | General expenses, B. P. I., 1913 (physical investigations). |
| Do. | do. | Riverside, White Water, Palm Springs, Santa Paula, Cal. (Mar. 17-May 30, 1913). | do. | 333.15 | Do. |
| McLennan, Robert | Gardener | Philadelphia, Pa., and vicinity; Riverton, N. J. (Sept. 19-23, 1912). | To inspect nursery stock of herbaceous perennials and other plants for congressional distribution. | 29.20 | Purchase and distribution of valuable seeds, 1913 (congressional seed distribution). |
| Do. | do. | New York, N. Y. (Apr. 5-17, 1913). | do. | 35.45 | Do. |
| McMurren, S. M. | Scientific assistant | Emporia, Va. (July 15-18, 1912). | To investigate diseases of grapes and other fruit. | 14.65 | General expenses, B. P. I., 1913 (fruit diseases). |
| Do. | do. | Martinsburg, W. Va. (Aug. 8-14, 1912). | To examine apple collar-blight eradication experiments and investigate an unknown disease of the peach. | 27.48 | Do. |
| Do. | do. | Points in Grayson County, Va. (Aug. 21-Sept. 4, 1912). | To investigate diseases of the apple. | 31.48 | Do. |
| Do. | do. | Inwood, Martinsburg, W. Va. (Sept. 17-Oct. 4, 1912). | To examine fertilizer experiments and continue fruit-disease investigations. | 69.64 | Do. |
| Do. | do. | Winchester, Va. (Oct. 21-24, 1912). | To continue investigations on the mango blight and to determine prevalence of "yellows" in Tennessee peach orchards. | 14.76 | Do. |
| Do. | do. | Miami, Delray, Palm Beach, Stuart, Deland, Fla.; Bristol, Knoxville, Tenn., and vicinity (Dec. 12, 1912-June 30, 1913). | To take notes on Irish-potato trials in connection with horticultural investigations. | 425.19 | Do. |
| Malcolm, Donald C. | Assistant | Houlton, Me.; Honeoye Falls, N. Y. (Aug. 14-Oct. 17, 1912). | To conduct experiments in the handling, packing, shipping, and storage of fruit. | 195.88 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Mann, C. W. | Scientific assistant | Sebastopol, San Francisco, Los Angeles, Cal.; New York, N. Y. (July 1-31, 1912). | | 207.07 | General expenses, B. P. I., 1913 (pomological investigations). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------------|--------------------------|---|---|----------------|--|
| Mann, C. W. | Scientific assistant.... | San Francisco, Berkeley, Sebastopol, Fort Bragg, Fresno, Loomis, Los Angeles, Pasadena, Watsonville, Lodi, Mayhews, Oakville, Cucamonga, Visalia, Stockton, Lindsay, Cal.; Chicago, Ill. (Aug. 6-Dec. 3, 1912). | To conduct experiments in the handling, packing, shipping, and storage of fruit. | \$338. 83 | General expenses, B. P. I., 1913 (pomological investigations). |
| Do. | do. | New York, Buffalo, N. Y.; Chicago, Ill.; Pittsburgh, Pa. (Dec. 3, 1912-Jan. 3, 1913). | do. | 240. 14 | Do. |
| Do. | do. | Los Angeles Pasadena, Fresno, Riverside, Stockton, Sacramento, Santa Rosa, San Dimas, Pomona, Claremont, Wastonsville, Visalia, Oakville, Cal. (Jan. 8-June 30, 1913). | do. | 734. 36 | Do |
| Marsh, C. Dwight. | Physiologist..... | Big Timber, Greycliff, Missoula, Mont.; Sandpoint, Athol, Idaho; Spokane, Wash. (July 1-Aug. 13, 1912). | To make field and laboratory investigations of poisonous plants on the western stock ranges. | 163. 62 | General expenses, B. P. I., 1913 (drug and other plants). |
| Do. | do. | Chicago, Ill.; Denver, Colo.; Billings, Big Timber, Livingston, Greycliff, Helena, Missoula, Mont.; Deadwood, Fort Pierre S. Dak. (Aug. 23-Oct. 5, 1912). | do. | 196. 78 | Do. |
| Do. | do. | Chicago, Ill.; Denver, Colo.; Billings, Big Timber, Livingston, Greycliff, Helena, Missoula, Mont.; Deadwood, Fort Pierre S. Dak. (Apr. 27-June 30, 1913). | do. | 377. 91 | Do. |
| Mason, S. C. | Arboriculturist..... | Indio, Mecca, Riverside, Santa Barbara, Berkeley, Cal. (July 1-Aug. 3, 1912). | To inspect work on the Indian reservations and continue investigations in dry-land arboriculture. | 145. 15 | General expenses, B. P. I., 1913 (crop physiology). |
| Do. | do. | St. Paul, Minn.; Mandan, N. Dak. (Aug. 14-30, 1912). | To confer with experiment station officials at St. Paul regarding dry-land arboriculture and assist in locating a new experiment station at Mandan. | 143. 79 | General expenses, B. P. I., 1913 (dry-land agriculture). |
| Do. | do. | Phoenix, Tempe, Sacaton, Ariz.; Indio, Los Angeles, Riverside, Oakland, San Francisco, Berkeley, Santa Barbara, Mecca, Colton, Cal. (Oct. 22-Dec. 23, 1912). | To inspect crop physiology and breeding work on the Indian reservations and continue investigations in dry-land arboriculture. | 518. 72 | General expenses, B. P. I., 1913 (crop physiology). |
| Melhus, I. E. | Pathologist..... | Norfolk, Va., and vicinity (Mar. 6-9, 1913). | To carry on investigations in the control of potato diseases. | 25. 30 | General expenses, B. P. I., 1913 (cotton and truck diseases). |

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|-----------------------|---------------------------|---|--|---------|--|
| Do..... | do..... | Durham, N. H.; Portland, Houlton, Me. (May 16-June 30, 1913). | To conduct experiments in the control of the late blight of potatoes. | 91. 22 | Do. |
| Meloy, Guy S..... | Assistant..... | Norfolk, Va., and vicinity (July 22-25, 1912). | To assist with experiments in the acclimatization and breeding of cotton. | 18. 70 | General expenses, B. P. I., 1914 (crop acclimatization). Do. |
| Do..... | do..... | Norfolk, Va., and vicinity (Aug. 12-15, 1912). | do..... | 17. 75 | Do. |
| Do..... | do..... | Norfolk, Va., and vicinity (Aug. 21-Sept. 1, 1912). | do..... | 40. 00 | Do. |
| Do..... | do..... | Norfolk, Va., and vicinity (Oct. 13-20, 1912). | do..... | 34. 90 | Do. |
| Do..... | do..... | Norfolk, Va., and vicinity (Nov. 6-10, 1912). | do..... | 24. 25 | Do. |
| Do..... | do..... | New York, N. Y. (Jan. 8-11, 1913). | To inspect and study the operation and practicability of different types of cotton gins in connection with the acclimatization and breeding of cotton. | 21. 00 | Do. |
| Do..... | do..... | Deep Creek, St. Brides, Diamond Springs, Va. (May 12-18, 1913). | To continue experiments in the acclimatization and adaptation of cotton. | 27. 45 | Do. |
| Do..... | do..... | Dunleith, Natchez, Port Gibson, Miss.; Helena, Ark. (June 7-19, 1913). | do..... | 120. 94 | Do. |
| Do..... | do..... | Norfolk, Va., and vicinity (June 23-28, 1913). | do..... | 28. 00 | Do. |
| Merick, Lovina S..... | Scientific assistant..... | La Fayette, Ind. (Aug. 19-Sept 19, 1912).... | To take charge of branch seed-testing laboratory. | 34. 99 | General expenses, B. P. I., 1913 (seed-testing laboratories). Investigating the chestnut-tree-bark disease, 1913. |
| Metcalf, Haven..... | Pathologist..... | Baltimore, Md.; New York, Nanamoch, Albany, N. Y.; New Brunswick, N. J.; Philadelphia, Pa. (Sept. 11-26, 1912). | To confer with State officials and make observations on the chestnut-tree-bark disease. | 40. 05 | Do. |
| Do..... | do..... | Philadelphia, Pa. (Oct. 19-27, 1912)..... | To confer with members and employees of the Pennsylvania Chestnut Tree Blight Commission. | 15. 30 | Do. |
| Do..... | do..... | Philadelphia, Harrisburg, Pa.; New York, Cold Spring Harbor, N. Y.; Providence, Pocasset, R. I.; Boston, Mass.; Concord, N. H.; Portland, Winthrop, Augusta, Me. (Nov. 13-Dec. 1, 1912). | To make investigations of the chestnut-bark disease, and confer with State officials regarding cooperative work in controlling the disease. | 101. 50 | Do. |
| Do..... | do..... | Atlanta, Ga.; New Orleans, La.; Tucson, Ariz.; Los Angeles, Pasadena, San Francisco, Berkeley, Cal.; Medford, Portland, Oreg.; Seattle, Spokane, Wash.; Missoula, Billings, Mont.; Minneapolis, Minn.; Madison, Wis.; Chicago, Ill. (Feb. 9-Apr. 19, 1913). | To inspect work and confer with bureau officials and other persons in connection with the control of diseases of forest and ornamental trees and shrubs. | 486. 38 | General expenses, B. P. I., 1913 (forest pathology). |
| Do..... | do..... | Philadelphia, Pa.; Providence, R. I.; New York, N. Y. (May 10-13, 1913). | To continue the study of methods of controlling the chestnut-tree-bark disease. | 24. 01 | Investigating the chestnut-tree-bark disease, 1913. |
| Miles, Frank C..... | Scientific assistant..... | Crookston, St. Paul, Minn.; Fargo, N. Dak.; Madison, Waupun, Chester, Wis. (May 16-June 8, 1913). | To supervise cooperative experimental plantings of flaxseed, to inspect a hemp brake in operation, and consult experiment station officials concerning various phases of fiber investigations. | 101. 14 | General expenses, B. P. I., 1913 (crop technology). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------|------------------------------------|---|---|----------------|---|
| Miles, Geo. F. | Collaborator. | Vineland, Swedesboro, N. J.; Arkport, Gasport, N. Y., and adjacent points (July 3-31, 1912). | To conduct spraying experiments in the cantaloupe and celery diseases. | \$122.14 | General expenses, B. P. I., 1913 (cotton and truck diseases). |
| Do. | do. | Berkeley Springs, W. Va. (Aug. 1-2, 1912). | To investigate tomato diseases. | 10.80 | Do. |
| Do. | do. | Vineland, N. J.; Egg Harbor, Milville, Glassboro, Atlantic City, and vicinity, N. J.; Elmira, New York, Arkport, Gasport, N. Y.; North East, Pa. (Aug. 4-Oct. 8, 1912). | To conduct spraying experiments in the control of cantaloupe, cucumber, and celery diseases. | 327.73 | Do. |
| Do. | do. | Arkport, Williamson, Elmira, Port Chester, N. Y.; Vineland, N. J. (Oct. 15-23, 1912). | To complete demonstration spraying experiments in the control of cantaloupe diseases, inspect celery conditions, and conduct storage experiments with celery. | 69.59 | Do. |
| Do. | do. | Bradentown, Manatee, Terra Ceia, Sarasota, Ocala, Gainesville, Hastings, Jacksonville, Tampa, Palmetto, St. Petersburg, Palatka, Bee Ridge, Sanford, Lowell, Fla. (Nov. 20, 1912-June 30, 1913). | To carry on celery spraying experiments, and investigate diseases of other truck crops. | 554.63 | Do. |
| Miller, G. H. | Assistant in farm cost accounting. | Buffalo, Geneva, Canandaigua, Rochester, Lockport, Albion, and other points in New York; New Haven, Hartford, Conn. (June 1-30, 1913). | To collect data on the cost of growing apples, in connection with farm-management studies. | 156.71 | General expenses, B. P. I., 1913 (farm management). |
| Miller H. A. | Assistant agriculturist. | Casanova, Leesburg, Warrenton, Winchester, Fredericksburg, Manassas, Va.; Easton, Annapolis, Sparks, Md., and other points in States named (12 trips, July 8, 1912-May 29, 1913). |do..... | 140.14 | Do. |
| Miller, Ralph C. | Assistant. | Kansas City, Mo.; Manhattan, Salina, McPherson, Lyons, Hutchinson, Newton, Wichita, Topeka, Kans.; Omaha, Fremont, Columbus, Neb.; Minneapolis, Minn.; Fargo, Lisbon, N. Dak.; Detroit, Mich. (July 9-Oct. 28, 1912). | To investigate the question of dockage in wheat, including study of the condition and quality of wheat at the time of thrashing, as delivered to country elevators, and at elevators in terminal markets, together with the influence of dockage on milling values and commercial grades. | 360.07 | General expenses, B. P. I., 1913 (grain standardization). |
| Milstead, J. I. | Gardener. | Norfolk, Va., and vicinity (Oct. 1-4, 1912). | To harvest experimental plats of peanuts, in connection with horticultural investigations. | 22.40 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Do. | do. | Opelika, Auburn, Ala.; College, Jackson, Brookhaven, Vicksburg, Newton, Meridian, Brookhaven, Starkville, Waynesboro, Hattiesburg, Miss. (Oct. 22-Nov. 27, 1912). | To assist in sweet potato storage investigations and experimental work with peanuts. | 226.19 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------------|--------------------------|---|---|----------------|--|
| Munger, H. B. | Assistant. | Avondale, Philadelphia, Pa. (Aug. 26-Sept. 25, 1912). | To assist in a farm management survey and collect farm cost accounting data. | \$92.55 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Rochester, Albion, Hilton, Batavia, Ithaca, and adjacent points in New York (Mar. 17-Apr. 26, 1913). | do. | 344.89 | Do. |
| Nellis, Jesse C. | Forest assistant. | Norwalk, Hartford, Conn.; Boston, Mass.; Philadelphia, Pa., and vicinity (Feb. 5-27, 1913). | To investigate the utilization of chestnut timber killed by the bark disease. | 72.61 | Investigating the chestnut tree bark disease, 1913. |
| Do. | do. | Mount Gretna, Oxford, Pa.; Trenton, N. J.; New Berlin, N. Y.; Waterbury, Conn. (Mar. 27-Apr. 25, 1913). | do. | 92.52 | Do. |
| Do. | do. | Climon, Conn.; Mount Gretna, Pa. (May 3-23, 1913). | do. | 62.05 | Do. |
| Do. | do. | Wharton, N. J.; New London, Stafford, Conn. (June 8-11, 1913). | To secure statistical reports from lumber manufacturers. | 41.60 | Do. |
| Do. | do. | Points in Virginia, North Carolina, South Carolina, and Georgia (Nov. 23-Dec. 1, 1912). | To continue work on the breeding of disease-resistant asparagus. | 103.96 | General expenses, Forest Service, 1913, (forest products). |
| Norton, Jesse B. | Physiologist. | Concord, Mass. (July 18-Oct. 5, 1912). | do. | 32.73 | General expenses, B. P. I., 1913 (cotton and truck diseases). |
| Do. | do. | Concord, Mass. (Apr. 5-June 25, 1913). | To inspect tests of pasture and meadow mixtures in connection with the investigation and improvement of forage crops. | 152.60 | Do. |
| Oakley, R. A. | Assistant-agrostologist. | Blacksburg, Va. (July 23-27, 1912). | To inspect tests of alfalfa, grasses, and other forage crops. | 17.85 | General expenses, B. P. I., 1913 (forage crop investigations.) |
| Do. | do. | New London, Ohio (Sept. 9-14, 1912). | To take notes on cooperative experiments with alfalfa in connection with the investigation and improvement of forage crops. | 44.65 | Do. |
| Do. | do. | Rocky Mount, Scotland Neck, N. C.; Emporia, Petersburg, Va. (Sept. 29-Oct. 4, 1912). | do. | 41.10 | Do. |
| Do. | do. | Winchesier, Berryville, Blacksburg, Va. (June 3-8, 1913). | To inspect cooperative experiments of alfalfa, grasses, and other forage crops in connection with the investigation and improvement of forage crop productions. | 37.46 | Do. |
| Do. | do. | New London, Ohio; Brookings, Highmore, S. Dak. (June 16-30, 1913). | To conduct spraying experiments for the control of muskmelon diseases. | 96.82 | Do. |
| Oreutt, Alfred S. | Assistant. | Vineland, N. J. (June 29-30, 1913). | To investigate potato diseases. | 12.00 | General expenses, B. P. I., 1913 (cotton and truck diseases). |
| Orton, W. A. | Pathologist. | Houlton, Me. (Aug. 6-15, 1912). | do. | *\$2.30 | Do. |

| Do. | do. | Do. | 70. 87 | Do. |
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| Burlington, St. Albans, Vt.; Boston, Concord, Mass.; Honeoye Falls, N. Y. (Sept. 1-15, 1912). | do. | To investigate diseases of potatoes and inspect experimental fields of rust-resistant asparagus. | | |
| (Madison, Wis.; St. Paul, Zumbia, Minn.; Denver, Rocky Ford, Swink, Carbon-dale, Colo.; Ogden, Salt Lake, Utah; Twin Falls, Boise, Idaho; Fallon, Nev.; Stockton, Middle River, Cal.; Garden City, Kans.; Houston, Brownsville, Tex.; New Orleans, La. (Sept. 21-Oct. 28, 1912). | do. | To study potato diseases and sugar-beet problems and to establish field stations. | 158. 23 | General expenses, B. P. I., 1913, (sugar plant investigations.) |
| New York, N. Y. (Nov. 20-21, 1912). | do. | To confer with officials of the Customs Service in regard to importations of nursery stock under the plant quarantine act. | 342. 74 | Potatoes and sugar-beet seed under irrigation, 1913. |
| Cleveland, Ohio (Jan. 1-4, 1913). | do. | To attend meeting of the Official Association of Horticultural Inspectors in order to acquaint these inspectors fully with the features of the plant quarantine act and their cooperative relation therewith. | 21. 70 | Nursery plant inspection and quarantine. |
| Norfolk, Va., and vicinity (June 8-18, 1913). | do. | To investigate diseases of potatoes and other truck crops. | 53. 50 | Do. |
| Akron, Colo. (May 1-June 2, 1913). | Laboratory aid. | To assist in work in connection with the physiological study of drought-resistant crop plants. | 44. 94 | General expenses, B. P. I., 1913 (cotton and truck diseases). |
| Jacksonville, Orlando, Florence Villa, Palmetto, Tampa, Fla.; Clarksville, Bentonville, Ark. (Feb. 1-Mar. 25, 1913). | Assistant. | To investigate diseases of citrus fruits. | 87. 41 | General expenses, B. P. I., 1913 (alkali and drought resistant plants). |
| Barlovento, Maracaibo, Puerto Cabello, and other points in Venezuela (June 20-30, 1913). | Botanist. | To secure seeds of tropical plants and specimens of coconut varieties for use in connection with taxonomic investigations. | 304. 25 | General expenses, B. P. I., 1913 (fruit diseases). |
| Biloxi, Miss.; Pensacola, Jacksonville, St. Augustine, Palatka, Miami, Tampa, Brooksville, Gainesville, Fla. (Nov. 6-25, 1912). | Agrostologist. | To inspect tests and experiments for the improvement of forage crops. | 106. 58 | General expenses, B. P. I., 1913 (taxonomic and range investigations). |
| New York, N. Y. (July 17-Sept. 15, 1912). | Expert. | To inspect shipments of peaches and other fruits arriving from southern points, in connection with fruit transportation and storage investigations. | 189. 80 | General expenses, B. P. I., 1913 (forage crop investigations). |
| Rocky Ford, Colo.; Lincoln, Nebr. (July 1-Nov. 8, 1912). | Scientific assistant. | To investigate the leaf-spot disease of sugar beets. | 164. 49 | General expenses, B. P. I., 1913 (pomological investigations). |
| Cleveland, Ohio; Chicago, Ill.; Lincoln, Nebr.; Rocky Ford, Colo. (Dec. 29, 1912-June 30, 1913). | do. | do. | 136. 65 | General expenses, B. P. I., 1913 (sugar plant investigations). |
| Minneapolis, Minn.; Fargo, N. Dak.; Manhattan, Hays, Kans.; Denver, Akron, Colo.; Amarillo, Tex. (July 1-Sept. 15, 1912). | Assistant pathologist. | To investigate sorghum and corn smut and inspect experiments under way for the control of cereal diseases. | 103. 25 | Do. |
| Minneapolis, Minn., and vicinity; Manhattan, Kans.; Amarillo, Tex. (Apr. 19-June 30, 1913). | do. | do. | 187. 63 | General expenses, B. P. I., 1913 (cereal investigations). |
| | Do. | | 190. 20 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name | Title | Destination | Business or work. | Total expense. | Appropriation. |
|--------------------|----------------------|---|--|----------------|--|
| Pratt, B. B. | Scientific assistant | Tacoma, Puyallup, North Yakima, Wenatchee, Walla Walla, Seattle, Wash.; Grand Forks, N. Dak.; Billings, Mont.; Portland, Salem, Medford, Hood River, Milton, Oreg. (July 1-Dec. 5, 1912). | To conduct handling, shipping, and storage experiments with fruit. | \$754.63 | General expenses, B. P. I., 1913 (pomological investigations). |
| Do. | do | Tacoma, Puyallup, North Yakima, Wenatchee, Walla Walla, Seattle, Wash.; Grand Forks, N. Dak.; Billings, Mont.; Portland, Salem, Medford, Hood River, Milton, Oreg. (Dec. 19, 1912-June 30, 1913). | do. | 837.65 | Do. |
| Rabak, Frank | Chemical biologist | Madison, Wis.; Chicago, Ill.; Detroit, Mich.; Cleveland, Ohio (July 18-Oct. 12, 1912). | To harvest and distill the Erigeron and other volatile oil plants in connection with the investigations of drug plants. | 111.79 | General expenses, B. P. I., 1913 (drug and other plants). |
| Ramsey, H. J. | Pomologist | Puyallup, Tacoma, North Yakima, Wash.; Portland, Medford, Oreg.; Fresno, Los Angeles, Riverside, San Dimas, Cal. (July 1-Nov. 4, 1912). | To supervise experiments in fruit handling and storing, in connection with fruit transportation and storage investigations. | 543.24 | General expenses, B. P. I., 1913 (pomological investigations). |
| Do. | do | Jacksonville, Orlando, Gainesville, Miami, Coconut Grove, Fort Pierce, Fla. (Jan. 30-Feb. 10, 1913). | do. | 128.10 | Do. |
| Do. | do | New York, N. Y.; Boston, Mass.; Portland, Me.; Halifax, Nova Scotia (Feb. 16-Mar. 14, 1913). | To make a preliminary study of conditions in the export fruit trade, especially in connection with apples, with a view of undertaking investigations in the packing, storing, handling and shipping of export fruit. | 240.40 | Do. |
| Do. | do | Atlanta, Macon, Fort Valley, Ga.; Jacksonville, Fort Pierce, Viking, Fla. (June 17-30, 1913). | To arrange for and conduct pineapple and peach precooling, transportation, and handling investigations. | 105.27 | Do. |
| Rand, Frederick V. | Scientific assistant | Manassas, Haymarket, Va. (July 27-30, 1912). | To investigate rosette and other diseases of nut trees. | 15.66 | General expenses, B. P. I., 1913 (fruit diseases). |
| Do. | do | Columbia, Orangeburg, Charleston, S. C.; Jacksonville, Glen St. Mary, Tallahassee, Monticello, St. Augustine, Palatka, Ocala, Fla.; Baconton, Albany, De Witt, Thomasville, Cairo, Ga.; New Orleans, La.; San Antonio, Boerne, Waring, Kerrville, Austin, Waco, San Sabo, Tex. (Aug. 1-Oct. 5, 1912). | To investigate various diseases of the pecan and other nut trees. | 295.70 | Do. |

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|------------------------|---------------------------|---|--|--------|--|--|
| Do..... | do..... | Columbia, Orangeburg, Charleston, S. C., Jacksonville, Glen St. Mary, Tallahassee, Monticello, St. Augustine, Palatka, Ocala, Fla.; Baconton, Albany, DeWitt, Thomasville, Cairo, Ga.; New Orleans, La.; San Antonio, Boerne, Waring, Kerville, Austin, Waco, San Sabo, Tex. (Mar. 29-Apr. 22, 1913). | To arrange for and carry on pecan disease in- vestigations, including fertilizer experiments for the control of pecan rosette. | 139.70 | Do. | |
| Reed, C. A..... | Scientific assistant..... | Willowstreet, West Willow, Pa.; Roches- ter, N. Y.; Painesville, Ohio; Middle- ville, Lamont, Benton Harbor, Mich.; South Bend, Ind.; Monaca, Pittsburgh, Pa. (Aug. 23-Sept. 5, 1912). | To investigate cultural conditions of black wal- nuts, butternuts, chestnuts, hazels and other nuts, locate parent trees of new varie- ties, and secure descriptions and study methods of propagation, cultivation, har- vesting, storing, and utilizing such nuts and their products. | 155.05 | General expenses, B. P. I., 1913 (pomological inves- tigations). | |
| Do..... | do..... | Willard, Wilmington, N. C.; Charleston, Summerville, Camden, S. C.; Augusta, Waynesboro, Thomson, Milledgeville, Macon, Americus, Albany, De Itt, Thomasville, Valdosta, Waycross, Ga.; Jacksonville, Palatka, Orlando, Brooks- ville, Gainesville, Fla.; Monticello, Thomasville, Cairo, Ga.; Gulfport, Orange Grove, Miss.; Chattanooga, Tenn. (Sept. 16-Nov. 19, 1912). | To continue pecan investigations, including adaptability of varieties, methods of propa- gation, cultivation, harvesting, storing, and marketing the crop. | 341.79 | Do. | |
| Do..... | do..... | York, Lancaster, Pa.; New York, N. Y. (Dec. 17-23, 1912). | To study nut-market conditions..... | 34.58 | Do. | |
| Do..... | do..... | Millstone, Pearson, Md. (June 19-21, 1913). | To collect data on varieties of pecans and other nuts growing in southern Maryland. | 13.10 | Do. | |
| Richey, Fred D..... | Assistant..... | Gaithersburg, Hagerstown, Md.; Grassy- mead, Occoquan, Round Hill, Va. July 1, 1912-June 30, 1913. | To assist in experiments in the production of higher yielding and more profitable strains of corn by breeding, seed selection and preser- vation, cultural methods, crop rotation, and the use of cover crops, etc. | 274.61 | General expenses, B. P. I., 1913 (cereal investiga- tions). | |
| Rittue, E. C..... | do..... | Holly, Swink, Colo.; Garland, Ogden, Salt Lake, Lehi, Utah. (July 1-Oct. 18, 1912). | To continue experiments in breeding single- germ beet seed. | 138.45 | General expenses, B. P. I., 1913 (sugar-plant inves- tigations). | |
| Do..... | do..... | Winchester, Staunton, Va. (Nov. 5-9, 1912). | To harvest beet seed from experimental sugar- beet plats. | 21.74 | Do. | |
| Do..... | do..... | Asheville, Fletchers, Waynesville, Hen- dersonville, N. C. (Apr. 8-13, 1913). | To conduct experiments in the breeding of single-germ beet seed. | 54.50 | Do. | |
| Roberts, John W..... | Scientific assistant..... | Staunton, Alton, Va. (July 29-Aug. 2, 1912). | To investigate diseases of the Yellow Newton apple. | 19.80 | General expenses, B. P. I., 1913 (fruit diseases). | |
| Do..... | do..... | Dover, Del., and vicinity (Aug. 5, 6, 1912). | To investigate diseases of the apple and peach. | 12.57 | Do. | |
| Do..... | do..... | Dover, Del., and vicinity (Aug. 12-19, 1912). | do..... | 24.10 | Do. | |
| Do..... | do..... | Martinsburg, W. Va. (May 5-7, 1913). | To investigate collar blight of the apple and other fruit diseases. | 17.56 | Do. | |
| Scales, Freeman M..... | do..... | Storrs, Conn. (Aug. 21-Sept. 27, 1912). | To inaugurate studies of certain types of soil fungi in cooperation with the experiment station. | 65.57 | General expenses, B. P. I., 1913 (bacteriology and nutrition). | |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------|------------------------|---|--|----------------|---|
| Scotfield, C. S. | Agriculturist. | Minneapolis, Minn.; Mitchell, Nebr.; Newell, S. Dak.; Osborn, Mont.; Fargo, N. Dak. (July 24-Sept. 7, 1912). | To confer with experiment station officials and inspect experimental work on the various reclamation projects. | \$188.51 | General expenses, B. P. I., 1913 (western irrigation, agriculture). |
| Do. | do. | Philadelphia, Pa.; Newark, N. J.; New York, N. Y.; New Haven, Conn.; Boston, Mass. (Oct. 10-12, 1912). | To consult with cotton spinners and buyers in regard to the marketing of Egyptian cotton grown in the irrigated portions of the arid Southwest. | 35.51 | Do. |
| Do. | do. | Phoenix, Mesa, Sacaton, Yuma, Tucson, Ariz.; Bard, El Centro, Indio, Cal.; San Antonio, Tex. (Oct. 22-Nov. 17, 1912). | To arrange for the extension of the culture of Egyptian cotton, and inspect and supervise work on the various field stations in connection with the agricultural utilization of reclaimed lands. | 253.45 | Do. |
| Sears, Harold M. | Agent. | New Haven, Bridgeport, North Norwalk, Danbury, Waterbury, Litchfield, Conn.; Port Washington, Mineola, Oyster Bay, N. Y.; Trenton, Morristown, N. J. (Jan. 13-Apr. 6, 1913). | To investigate the utilization of chestnut timber killed by the bark disease in cooperation with the Forest Service. | 341.58 | Investigating the chestnut-tree bark disease, 1913. |
| Do. | do. | Trenton, Bernardsville, Dover, N. J.; Oxford, Hummelstown, Lebanon, State College, New Freedom, Pa. (Apr. 13-June 13, 1913). | do. | 240.96 | Do. |
| Shantz, H. L. | Plant physiologist. | Tooele, Salt Lake, Grantsville, Lake Point, Utah; Los Angeles, Riverside, Sacramento, Cal.; Grand Junction, Colorado Springs, Manitou, Akron, Colo. (July 1-Sept. 21, 1912). | To carry on investigations of the indicator value of native vegetation under arid and alkali conditions, and of the physiology of drought resistance in relation to orchard malnutrition in the arid and semiarid regions. | 457.05 | General expenses, B. P. I., 1913 (alkali and drought resistant plants). |
| Do. | do. | St. Petersburg, Florence Villa, Fla.; Mobile, Ala.; New Orleans, La.; Casa Grande, Ariz.; Indio, Riverside, Los Angeles, San Diego, Palm Springs, Bakersfield, Needles, Cal.; Amarillo, Tex.; Colorado Springs, Akron, Colo.; Chicago, Ill. (Mar. 10-May 21, 1913). | do. | 559.80 | Do. |
| Do. | do. | Akron, Colo.; Newell, S. Dak. (June 3-30, 1913). | do. | 187.39 | Do. |
| Ehaw, Harry B. | Assistant pathologist. | Ordan, Utah; Chicago, Ill.; Decatur, Ind.; Grand Rapids, Mich. (July 1-Nov. 2, 1912). | To study the cause of failure of sugar beets to produce mature seed. | 401.63 | General expenses, B. P. I., 1913 (sugar-plant investigations). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|-----------------------|--|--|----------------|--|
| Shoemaker, D. N..... | Horticulturist..... | Florence, Columbia, Easley, S. C.; Rome, Ga.; Catherine, Ala.; Jackson, Tenn.; Garden City, Kans.; Rocky Ford, Col.; Waterloo, Omaha, Nebr.; Sioux City, Iowa (Sept. 23-Oct. 9, 1912). | To inspect seed crops grown under contract for congressional distribution. | \$171.10 | Purchase and distribution of valuable seeds, 1913 (congressional seed distribution). |
| Do..... | do..... | Richmond, Va. (Mar. 13, 1913)..... | To advise with authorities at the State Reform School in regard to the production of vegetables on the school farm. | 7.10 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Do..... | do..... | Cairo, Ga.; Columbia, Ala.; Tucson, Ariz.; Brawley, Los Angeles, Ventura, Carpinteria, Lompoc, Arroyo Grande, San Jose, Gilroy, Hollister, San Francisco, Chico, Sacramento, Cal. (June 5-30, 1913). | To inspect seed crops grown under contract for congressional distribution, and to report upon seed-crop prospects in those sections. | 263.49 | Purchase and distribution of valuable seeds, 1913 (congressional seed distribution). |
| Shull, J. M..... | Botanical artist..... | Philadelphia, Pa. (Dec. 9-11, 1912)..... | To make photographs, drawings, and paintings of specimens of fungi in the Philadelphia Academy of Science, in connection with investigations of the chestnut bark disease. | 11.55 | Investigating the chestnut-tree bark disease, 1913. |
| Smith, C. B..... | Agriculturist..... | La Fayette, Indianapolis, Ind. (July 1-3, 1912). | To inspect work and confer with field agents and others relative to plans of work for the season in connection with farm management field studies and demonstrations. | 12.00 | General expenses, B. P. I., 1913 (farm management). |
| Do..... | do..... | Lansing, Paw Paw, Kalamazoo, Mich.; Toledo, Ohio (July 22-31, 1912). | do..... | 74.07 | Do. |
| Do..... | do..... | Amherst, Mass.; Plattsburg, Watertown, and adjacent points, New York (Sept. 2-7, 1912). | do..... | 56.88 | Do. |
| Do..... | do..... | Lexington, Louisville, Ky.; Morgantown, W. Va. (Sept. 9-12, 1912). | do..... | 44.40 | Do. |
| Do..... | do..... | Kalamazoo, Alpena, Hillman, Lansing, Mich.; Denver, Colorado Springs, Alamosa, Fort Collins, La Jara, Colo.; Laramie, Wyo.; Salt Lake, Logan, Utah; Wahpeton, N. Dak.; Brookings, S. Dak.; St. Paul, Crystal Falls, Minn. (Oct. 16-Nov. 11, 1912). | do..... | 293.97 | Do. |
| Do..... | do..... | Chicago, Ill.; Benton Harbor, Lansing, Flint, Saginaw, Alpena, Hillman, Mich. (Apr. 7-20, 1913). | do..... | 118.30 | Do. |

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|------------------------|--------------------|--|--------|--|
| Do..... | do..... | Wooster, Ohio; La Fayette, South Bend, La Porte, Ind.; Madison, Rhinelander, Cranlon, Wis.; Montevideo, Minn. (June 9-16, 1913). | 124.46 | Do. |
| Spaulding, Perley..... | Pathologist..... | Hartford, East Granby, Tariffville, Conn.; Concord, N. H.; Worcester, Hadley, Mass. (July 12-Aug. 9, 1912). | | |
| Do..... | do..... | Hartford, East Granby, Conn.; Marlboro, West Rindge, East Jaffrey, Fitzwilliam, Winchester, Hinsdale, N. H. (Sept. 7-21, 1912). | 74.53 | Investigating the chestnut-tree bark disease, 1913. |
| Do..... | do..... | Lynchburg, Lexington, Va. (Oct. 16-18, 1912). | 49.20 | Do. |
| Do..... | do..... | Philadelphia, Morrisville, Pa.; Hartford, East Granby, Conn.; Amherst, Mass.; Concord, N. H.; White River Junction, Bethel, Burlington, Vt.; Saranac Lake, Geneva, N. Y. (Oct. 25-Dec. 3, 1912). | 20.26 | Do. |
| Do..... | do..... | Geneva, Albany, New York, N. Y.; Burlington, Vt.; Boston, Springfield, Amherst, Mass.; New Haven, Conn.; Carlstadt, N. J. (Mar. 23-29, 1913). | 142.98 | Do. |
| Do..... | do..... | Richmond, Va. (Apr. 10, 11, 1913). | 46.66 | General expenses, B. P. I., 1913 (forest pathology). |
| Do..... | do..... | New York, Albany, Geneva, N. Y.; East Granby, Conn.; Springfield, Mass.; Bethel, Vt.; Providence, R. I.; and other points in States named (May 23-June 30, 1913). | 15.85 | Do. |
| Do..... | do..... | Ithaca, Utica, N. Y.; Lansing, Mich.; Fargo, N. Dak.; Des Moines, Iowa; Lincoln, Nebr.; Scotts City, Wentworth, Mo. (Aug. 25-Sept. 5, 1912). | 252.51 | Do. |
| Spillman, W. J..... | Agriculturist..... | Philadelphia, Avondale, Pa. (Sept. 19-21 and 27-30, 1912). | | |
| Do..... | do..... | Madison, Wis.; Brookings, S. Dak. (Oct. 19-26, 1912). | 29.22 | Do. |
| Do..... | do..... | North East, Md. (Nov. 2, 3, 1912). | 111.68 | Do. |
| Do..... | do..... | Safford, Ala.; Atlanta, Ga. (Nov. 8-16, 1912). | 5.40 | Do. |
| Do..... | do..... | Springfield, Amherst, Boston, Mass. (Dec. 16-19, 1912). | 81.55 | Do. |
| Do..... | do..... | Chicago, Ill. (Apr. 7-11, 1913). | 35.98 | Do. |
| Do..... | do..... | Bryn Mawr, Pa. (May 26, 27, 1913). | 67.70 | Do. |
| Do..... | do..... | Wooster, Ohio (June 26-28, 1913). | 12.41 | Do. |
| | | | 24.50 | Do. |

General expenses, B. P. I., 1913 (farm management).

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|--------------------|----------------------|--|---|----------------|--|
| Stockberger, W. W. | Physiologist | Orange City, Fla.; Charleston, Florence, S. C. (Aug. 27–Sept. 4, 1912). | To inspect drug-plant investigations. | \$69.79 | General expenses, B. P. I., 1913 (drug and other plants). Do. |
| Do. | do. | San Francisco, Sacramento, Chico, Cal.; Salem, Independence, Portland, Oreg. (Apr. 8–May 13, 1913). | To consult hop growers and users in regard to problems connected with hop investigations and inaugurate field experiments in hop improvement. | 340.10 | |
| Strait, Earl D. | Scientific assistant | Staunton, Ronceverte, Basul, Sparts, Draft, Va.; Keyser, Marlinton, W. Va.; Cumberland, Md. (Feb. 28–Mar. 3, 1913). | To study methods of clearing off logged-off lands with a view to their utilization for agricultural purposes. | 45.75 | General expenses, B. P. I., 1913 (clearing and utilization of logged-off lands). Do. |
| Do. | do. | Norfolk, Va.; Elizabeth, Belhaven, Greenville, Wilson, Chapel Hill, Raleigh, Lillington, Fayetteville, Rockford, N. C.; Columbia, Sumter, Manning, Florence, Darlington, Georgetown, S. C.; Augusta, Jessup, Waycross, Ga.; Tallahassee, De Funiak Springs, Pensacola, Palatka, Fla., and other points in States named. (Mar. 9–May 31, 1913). | do. | 319.28 | |
| Do. | do. | Grand Rapids, Saginaw, Muskegon, Hart, Bay City, Cadillac, and other points in Mich. (June 6–30, 1913). | do. | 125.28 | |
| Stuart, William | Horticulturist | Houlton, Me.; Honeoye Falls, N. Y. (July 21–30, 1912). | To inspect and take notes on potato experiments in connection with general horticultural investigations. | \$5.23 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). Do. |
| Do. | do. | Houlton, Me.; Burlington, Vt.; Honeoye Falls, Geneva, N. Y. (Aug. 5–31, 1912). | do. | 138.79 | |
| Do. | do. | Houlton, Me.; Honeoye Falls, N. Y. (Sept. 13–Oct. 19, 1912). | To supervise harvesting of experimental potatoes and study market garden conditions. | 178.08 | Do. |
| Do. | do. | New York, N. Y., and vicinity (Nov. 21–23, 1912). | To investigate the condition of potatoes arriving at the city markets and the methods of handling them. | 22.56 | Do. |
| Do. | do. | Norfolk, Va., and vicinity (Mar. 5–8, 1913). | To carry on seed selection and other work in connection with potato trials. | 24.85 | Do. |
| Do. | do. | Honeoye Falls, N. Y. (Apr. 24–26, 1913). | To arrange for season's work in the improvement of potatoes, variety testing, studies of cultural methods, etc. | 18.01 | Do. |
| Do. | do. | Portsmouth, Diamond Springs, Va. (May 4–7, 1913). | To take notes on experimental tests with potato varieties. | 18.80 | Do. |

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|--|----------------------|----------------------------|--------|---|--|
| Do. | do. | Do. | 63.60 | To arrange for cultural work with potatoes. | Do. |
| Do. | do. | Do. | 182.41 | To continue experiments in the production and improvement of potatoes. | Do. |
| Do. | do. | Do. | 28.70 | do. | Do. |
| Stubenrauch, A. V. | Expert. | General expenses, B. P. I. | 385.97 | To inspect the various lines of investigations being conducted by the office of Field Investigations in Pomology. | General expenses, B. P. I. 1913 (pomological investigations). |
| Do. | do. | Do. | 449.93 | do. | Do. |
| Do. | do. | Do. | 50.92 | To secure scientific assistants, with special reference to their fitness for employment in connection with fruit transportation and storage investigations. | Do. |
| Sweet, Merle L. | Clerk. | General expenses, B. P. I. | 98.02 | To carry on experiments in cotton grading and standardization. | General expenses, B. P. I. 1913 (cotton standardization). |
| Swingle, Walter T. | Physiologist. | General expenses, B. P. I. | 645.33 | To inspect experiments in the culture of Egyptian cotton, dates, etc., conducted in cooperation with the Office of Indian Affairs. | General expenses, B. P. I. 1913 (crop physiology). |
| Do. | do. | Do. | 42.65 | To secure data from herbaria, libraries, etc., relative to the breeding of hardy citrus fruits. | Do. |
| Taylor, Fred. | Cotton technologist. | General expenses, B. P. I. | 428.17 | To carry on experiments in connection with cooperative cotton handling and marketing as a feature of cotton standardization. | General expenses, B. P. I. 1913 (cotton standardization). |
| Do. | do. | Do. | 120.95 | To conduct spinning and manufacturing tests with a number of varieties of cotton in cooperation with the textile school. | Do. |
| Taylor, Robert L. | Laborer. | Gen. exp., B. P. I., 1913 | 142.00 | To assist in experiments in the acclimatization and breeding of cotton and corn. | Gen. exp., B. P. I., 1913 (crop acclimatization). |
| Do. | do. | Do. | 87.65 | do. | Do. |
| Taylor, William A. | Chief of bureau. | General expenses B. P. I. | 56.35 | To represent the Bureau of Plant Industry at the meetings of the Association of Agricultural Colleges and Experiment Stations. | General expenses B. P. I. 1913 (administrative and miscellaneous). |
| Houlton, Presque Isle, Me. (May 7-10, 1913). | do. | | | | |
| Houlton, Me.; Honesoye Falls, Genesee, N. Y. (May 19-June 15, 1913). | do. | | | | |
| Norfolk, Va., and vicinity (June 24-29, 1913). | do. | | | | |
| Berkeley, San Francisco, Santa Rosa, Fresno, Visalia, Los Angeles, Brawley, Riverside, Cal.; Portland, Hood River, Oreg.; Wallula, Tacoma, Puyallup, Seattle, Wash.; Chicago, Ill. (Oct. 12-Nov. 15, 1912). | Expert. | | | | |
| Berkeley, San Francisco, Riverside, Corona, San Dimas, Redlands, Los Angeles, Pasadena, Santa Rosa, Fresno, Sebastopol, Stockton, Middle River, Cal.; Medford, Portland, Salem, Corvallis, Hood River, Oreg.; Seattle, North Yakima, Wenatchee, Wash. (Apr. 9-May 26, 1913). | do. | | | | |
| Lansing, Mich.; Ithaca, N. Y. (June 20-24, 1913). | do. | | | | |
| Raleigh, N. C.; Florence, Lamar, Dartington, Hartsville, S. C. (Aug. 20-24 and Sept. 22-28, 1912). | Clerk. | | | | |
| Shiprock, N. Mex.; Phoenix, Tempe, Saegton, Casa Grande, Tucson, Ariz.; Indio, Mecca, El Centro, Bard, Calexico, Colton, Riverside, Santa Barbara, San Francisco, Berkeley, Cal.; San Antonio, Laredo, Tex. (Sept. 27-Nov. 17, 1912). | Physiologist. | | | | |
| New York, N. Y.; Boston, Cambridge, Mass. (Apr. 6-11, 1913). | do. | | | | |
| Clemson College, Fasley, S. C.; Oklahoma City, Yukon, Choctaw, Chickasha, Lawton, and other points in Oklahoma (Oct. 28, 1912-Jan. 30, 1913). | Cotton technologist. | | | | |
| New Bedford, Mass. (Apr. 25-June 14, 1913). | do. | | | | |
| San Antonio, Del Rio, Tex. (Sept. 22-Nov. 29, 1912). | do. | | | | |
| San Antonio, Victoria, Tex.; Bard, Cal. (Apr. 1-June 30, 1913). | Laborer. | | | | |
| Atlanta, Ga. (Nov. 11-15, 1912). | do. | | | | |
| | Chief of bureau. | | | | |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|---------------------------|---|--|----------------|--|
| Thompson, Harry..... | Agriculturist..... | Raleigh, Newbern, N. C.; Columbia, S. C.; Savannah, Augusta, Jessup, Columbus, Americus, Ga.; Tallahassee, Ocala, Fla.; and other points in States named (Mar. 9–May 25, 1913). | To carry on investigations in the methods of clearing and utilization of logged-off lands for agricultural purposes. | \$370.42 | General expenses, B. P. I., 1913 (clearing and utilization of logged-off lands). |
| Do..... | do..... | Seattle, Spokane, Wash.; Carywood, Sand Point, Idaho; Kalispel, Columbia Falls, Mont. (June 1–30, 1913). |do..... | 199.60 | Do. |
| Thompson, H. C..... | Assistant horticulturist. | Norfolk, Va., and vicinity (July 14–18, 1912). | To conduct experiments in the culture of peanuts and truck crops. | 28.80 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Do..... | do..... | Vineland, Swedesboro, N. J. (Aug. 19–22, 1912). | To conduct experimental work in the culture of sweet potatoes. | 19.80 | Do. |
| Do..... | do..... | Cairo, Carbondale, Ill.; Muscatine, Fruitland, Iowa; Fort Wayne, Ind.; Rochester, Arkport, Hornell, Elmira, N. Y. (Aug. 26–Sept. 8, 1912). | To continue cultural experiments with sweet potatoes and onions. | 118.04 | Do. |
| Do..... | do..... | Opelika, Auburn, Montgomery, Mobile, Fruitdale, Ala.; Meridian, Hattiesburg, McNeill, Agricultural College, Miss. (Sept. 24–Oct. 4, 1912). |do..... | 114.21 | Do. |
| Do..... | do..... | Hornell, Rochester, Elmira, N. Y. (Oct. 15–19, 1912). | To investigate celery storage in connection with general horticultural investigations. | 50.65 | Do. |
| Do..... | do..... | Auburn, Ala.; Jackson, Brookhaven, Vicksburg, Newton, Meridian, Collins, Gulfport, Miss., Mobile, Ala. (Oct. 21–Nov. 4, 1912). | To conduct sweet-potato-storage experiments as a phase of general horticultural investigations. | 230.14 | Do. |
| Do..... | do..... | Norfolk, Va., and vicinity (Nov. 11–14, 1912). | To continue investigations of the culture of peanuts. | 9.15 | Do. |
| Do..... | do..... | New York, N. Y.; Boston, Mass.; Saco, Me. (Dec. 11–14, 1912). | To study truck-crop market conditions, with particular reference to celery market and storage. | 39.25 | Do. |
| Do..... | do..... | Elmira, N. Y. (Jan. 6–9, 1913)..... | To investigate celery storage in connection with general horticultural investigations. | 29.11 | Do. |
| Do..... | do..... | Alphano, N. J. (Apr. 22–30, 1913)..... | To start experimental work in the culture of truck crops on muck soils. | 45.65 | Do. |
| Do..... | do..... | Alphano, N. J. (May 18–24, 1913)..... | To plant experimental celery and cauliflower on muck lands. | 37.63 | Do. |
| Do..... | do..... | Norfolk, Va., and vicinity: Moryock, Wilmington, N. C. (June 5–12, 1913). | To investigate the trucking industry..... | 55.15 | Do. |
| Do..... | do..... | Alphano, N. J. (June 22–28, 1913)..... | To plant experimental fields of late celery..... | 35.83 | Do. |

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|------------------|------------------------------------|---|---|--------|--|
| Thomson, E. H. | Assistant agriculturist. | Adrian, Lansing, Mich.; Virginia, Jacksonville, Ill. (July 14-Aug. 1, 1912). | To confer with experiment station officials and supervise the starting of a farm-management survey in Michigan. | 101.06 | General expenses, B. P. I., 1913 (farm management). |
| Do. | do. | Wooster, Ohio; Delhi, N. Y. (Aug. 13-16, 1912). | To inspect cooperative work at experiment stations, and to confer with rural life survey workers relative to farm-management cooperative work. | 36.40 | Do. |
| Do. | do. | Philadelphia, Avondale, Pa. (Aug. 28-Sept. 1, 1912). | To confer with field workers relative to farm-management investigations. | 32.76 | Do. |
| Do. | do. | Avondale, Glen Lock, Pa. (Sept. 19-21, 1912). | do. | 15.59 | Do. |
| Do. | do. | Madison, Wis.; St. Paul, Minn.; Fargo, N. Dak.; North Yakima, Wash.; Portland, Salem, Hood River, Oreg.; Palo Alto, Santa Cruz, Watsonville, Salinas, Los Angeles, San Dimas, Cal.; Atlanta, Ga. (Sept. 28-Nov. 7, 1912). | To confer with assistants, experiment station officials, and others relative to farm-cost accounting and farm-management survey work, and to conduct farm-management surveys. | 333.75 | Do. |
| Do. | do. | Durham, West Newberry, Milford, N. H. (Jan. 30-Feb. 4, 1913). | do. | 49.73 | Do. |
| Do. | do. | Auburn, Ithaca, Rochester, Williamson, Kendall, Albion, Syracuse, N. Y. (June 21-30, 1913). | To confer with field agents and officials of experiment stations relative to investigations in the economics of farm management. | 70.73 | Do. |
| Tidestrom, Ivar | Scientific assistant | Philadelphia, Easton, Pa.; Phillipsburg, Rutherford, N. J.; New York, N. Y. (Aug. 19-26, 1912). | To collect herbarium material of plants for use in the economic collection in connection with taxonomic investigations. | 6.70 | General expenses, B. P. I., 1913 (taxonomic and range investigations). |
| Do. | do. | New York, N. Y. (Apr. 2, 3, 1913) | To inspect shipments of imported nursery stock, which may harbor injurious insects, consigned to that port and destined for shipment to points within the United States. | 18.70 | Nursery-plant inspection and quarantine. |
| Townsend, W. E. | Expert. | Sacaton, Mesa, Phoenix, Glendale, Ariz.; El Centro, Bard, Los Angeles, Cal. (Aug. 26, 1912-Jan. 28, 1913). | To supervise the ginning and baling of Egyptian cotton grown experimentally and to assist cooperators in installing and operating machinery for ginning and baling Egyptian cotton. | 585.75 | General expenses, B. P. I., 1913 (western irrigation agriculture). |
| Tracy, J. E. W. | Assistant superintendent. | Rocky Ford, Fort Collins, Colo.; Los Angeles, Santa Ana, San Diego, San Jose, Sacramento, and other points in California; Fairfield, Sumas, Bellingham, Wash.; Portland, Oreg.; Kendrick, Moscow, Idaho (July 1-Aug. 28, 1912). | To inspect sugar-beet seed tests and growing plots and also crops of vegetable and flower seeds grown under contract for congressional distribution, and to study general seed crop conditions. | 381.12 | Purchase and distribution of valuable seeds, 1913 (congressional seed distribution). |
| Do. | do. | Detroit, St. Louis, Grand Rapids, Sturgis, Adrian, Mich. (Oct. 14-21, 1912). | To supervise the harvesting and siloing of varieties of sugar beets grown for congressional distribution and to obtain accurate information as to where supplies of tomato seed may be purchased at reasonable prices for congressional distribution. | 96.11 | Do. |
| Tracy W. W., sr. | Superintendent of testing gardens. | Doylestown, Briston, Pa.; New Brunswick, Vineland, Swedsboro, N. J.; Bel Air, Harve de Grace, Md. (Aug. 19-26, 1912). | To inspect trials of vegetables, in connection with general horticultural investigations. | 33.18 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| Do. | do. | Camden, N. J.; Philadelphia, Pa. and vicinity (Jan. 16-18, 1913). | To study vegetable growing methods. | 18.55 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------------|------------------------------------|--|---|----------------|---|
| Tracy, W. W., sr..... | Superintendent of testing gardens. | Hartford, Conn.; Boston, Mass., and vicinity (Feb. 5-12, 1913). | To study methods of storage and curing of sweet corn and of growing garden beets and carrots for seed purposes. | \$51. 10 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). |
| True, R. H..... | Physiologist..... | New York, N. Y. (Sept. 6-11, 1912)..... | To represent the bureau at a meeting of the International Congress of Applied Chemistry. | 32. 30 | General expenses, B. P. I., 1913 (drug and other plants). |
| Do..... | do..... | Charleston, Mount Pleasant, Ebenezer, Timmons ville, Columbia, Spartanburg, S. C.; Asheville, N. C. (Mar. 9-15, 1913). | To investigate possibilities in the culture of drug and related plants; and to consult with growers desiring to cooperate with the department in experimental culture of red peppers. | 67. 80 | Do |
| Turner, Howard A..... | Scientific assistant..... | Portland, Salem, Shaw, Pratum, Silverton, Oreg.; Marion, Durham, Kans. (Oct. 1-Nov. 14, 1912). | To assist in making a farm management survey, and investigate tenant farming. | 311. 01 | General expenses, B. P. I., 1913 (farm management). |
| Do..... | do..... | Wooster, London, Springfield, Mechanicsburg, Bellefontaine, Piqua, Troy, and other points in Ohio; Lexington, Versailles, Ky.; Knoxville, Tenn. (May 6-June 28, 1913). |do..... | 225. 05 | Do. |
| Van Fleet, Walter..... | Physiologist..... | Red Bank, N. J. (June 3-4, 1913)..... | To examine collection of hybrid chestnuts for presence of bark disease. | 16. 50 | Investigating the chestnut-tree bark disease, 1913. |
| Vehlmeyer, Frank J.... | Scientific assistant..... | Philadelphia, West Chester, Mortonville, Concordville, Brandywine, Summit, Kennett, Mendenhall, Pa. (Aug. 14-16, 1912). | To carry on experiments in the control of mushroom diseases. | 16. 70 | General expenses, B. P. I., 1913 (pathological laboratory). |
| Do..... | do..... | Philadelphia, West Chester, Mortonville, Concordville, Brandywine, Summit, Kennett, Mendenhall, Pa. (Oct. 7-12, 1912). |do..... | 29. 65 | Do. |
| Do..... | do..... | Philadelphia, Pa., and vicinity; Water Mill, Sparkill, Jamaica, N. Y.; Boston, Cambridge, Mass.; Chicago, Ill. (Nov. 29-Dec. 15, 1912). | To conclude experiments for the control of mushroom diseases and collect data on results of the work. | 143. 00 | Do. |
| Do..... | do..... | Philadelphia, Pa. (Mar. 17-20, 1913). | To collect data on experimental work in the control of diseases of cultivated mushrooms. | 27. 39 | Do. |
| Vinal, H. N..... | Assistant agrostologist | North Platte, Mitchell, Sidney, Bridgeport, Nebr.; Adron, Denver, Brush, Colo.; Amarillo, Chilli'otho, Dallas, College Station, San Antonio, Dalhart, Cedar Hill, Lubbock, Tex.; Madison, Wis.; Lansing, Mich.; Guelph, Canada; Highmore, Brookings, S. Dak. (July 1-Aug. 22, 1912). | To inspect experimental work in connection with forage crop improvement and production and arrange for further experiments. | 322. 14 | General expenses, B. P. I., 1913 (forage crop investigations). |

| Do. | do. | do. | do. | do. |
|-------------------|-----------------------|--|---|--------|
| Waddle, Norma. | Scientific assistant. | Hays, Kans.: Amarillo, Chillicothe, Tex. (Mar. 30-Apr. 15, 1913). Corvallis, Oreg. (Sept. 7, 1912-June 30, 1913). | To take charge of branch seed-testing laboratory. | 172.72 |
| Waite, M. B. | Pathologist. | Winchester, Va. (Mar. 7-10, 1913). | To confer with apple growers in regard to apple diseases and methods of control. | 241.30 |
| Warburton, C. W. | Agronomist. | Sugar Grove, Ill.; Ames, Iowa; Ithaca, N. Y. (July 6-28, 1912). | To inspect experiments with cereals and confer with experiment station officials in regard to cereal investigations. | 15.35 |
| Do. | do. | Columbia, S. C. (Jan. 23-30, 1913). | To confer with experiment station officials and farmers relative to cereal production and cereal disease work. | 106.91 |
| Do. | do. | Ames, Iowa (Apr. 1-25, 1913). | To supervise the planting of experimental oat plots, and assist in the preparation for publication of data resulting from cooperative experiments in the improvement of oats and methods of oat production. | 38.35 |
| Do. | do. | Raleigh, Statesville, N. C.; Augusta, Athens, Griffin, Newman, Ga.; Auburn, Ala.; Jackson, Knoxville, Tenn.; Blacksburg, Va. (May 18-30, 1913). Vineland, N. J. (Sept. 2-16, 1912). | To conduct experiments in the improvement and production of oats and other cereals and consult with experiment station officials regarding the work. | 105.40 |
| Ward, Don D. | Scientific assistant. | Vineland, N. J. (Oct. 15-17, 1912). | To assist in harvesting and shipping cooperative experimental grapes. | 98.03 |
| Do. | do. | Vineland, N. J. (Feb. 8-Mar. 1, 1913). | To make records of yields of grapes in the cooperative experimental vineyard. | 40.52 |
| Do. | do. | Vineland, N. J. (May 29-June 10, 1913). | To assist in taking growth ratings and supervise the pruning and making of cuttings of grapevines at the cooperative vineyard. | 13.82 |
| Watkins, Harry E. | Laboratory aid. | Ringe, Jeffrey, Fitzwilliam, Hinsdale, Keene, Winchester, and vicinity; Walpole, New Ipswich, New Brookline, Nashua, Milford, Concord, N. H. (Sept. 10-Oct. 10, 1912). Concord, Pelham, Nashua, Manchester, Derry, N. H. (Dec. 4-31, 1912). San Antonio, Victoria, Crystal City, Waco, Clarksville, Tex.; Bard, Claremont, Niles, Cal. (July 1, 1912-Apr. 21, 1913). Norfolk, Va., and vicinity (June 23-28, 1913). Claiborne, Salisbury, Md. (Aug. 12, 1912). | To collect pollen and make observations on the blooming of grape varieties. To investigate the chestnut-tree bark diseases and methods for its control. | 64.67 |
| Do. | do. | Manhattan, Kans.; Fairfax, Mo.; Ames, Iowa; Brookings, S. Dak.; Fargo, N. Dak.; La Fayette, Ind. (Sept. 12-26, 1912). | To inspect plats of crimson clover in connection with investigations in the improvement of this crop. | 39.51 |
| Do. | do. | La Fayette, Ind.; Ames, Iowa; Fargo, N. Dak. (Apr. 18-May 9, 1913). | To inspect tests of clovers and determine outcome of clover seed production experiments. | 180.73 |
| Wells, Walton G. | Assistant. | | To conduct experiments in the production and improvement of forage crops. | 108.70 |
| Do. | do. | | | 27.06 |
| Westgate, J. M. | Agronomist. | | | 313.50 |
| Do. | do. | | | 8.39 |
| Do. | do. | | | 157.74 |
| Do. | do. | | | 167.07 |

General expenses, B. P. I., 1913 (seed-testing laboratories).

General expenses, B. P. I., 1913 (fruit diseases).

General expenses, B. P. I., 1913 (cereal investigations).

Do.

Do.

Do.

General expenses, B. P. I., 1913 (pomological investigations).

Do.

Do.

Do.

Investigating the chestnut-tree bark disease, 1913.

Do.

General expenses B. P. I., 1913 (crop acclimatization).

Do.

General expenses B. P. I., 1913 (forage crop investigations.)

Do.

Do.

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF PLANT INDUSTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-----------------------|----------------------------|--|--|-------------------|---|
| Westgate, J. M. | Agronomist | Williamsburg, Richmond, Centralia, Petersburg, and vicinity, Va. (June 3-11, 1913). | To study the production of crimson clover seed. | \$3. 25 | General expenses, B. P. I., 1913 (forage crop investigations). |
| Do..... | do..... | Richmond, Chula, Fredericksburg, Va. (June 12-14, 1913). |do..... | 25. 95 | Do. |
| Wight, W. F. | Botanist | (Geneva, Switzerland, Lyons, Marselle, Menton, France; Genoa, Italy; Vienna, Austria; Berlin, Frankfurt, Strasburg, Germany; Antwerp, Belgium; London, England; Valparaiso, Santiago, Concepcion, Temuco, Villarica, Province of Valdivia, Lima, Balboa, and other points in South America (July 1, 1912-June 30, 1913). | To conduct systematic studies of potato varieties and species of Prunus; and to secure seed, tubers, and specimens of potatoes, and other rare and valuable seeds, fruits, trees, shrubs, vines, and other plant material promising for culture in the United States, together with all available information concerning same. | 171. 23 52. 28 | General expenses, B. P. I., 1913 (Arlington farm and horticulture). Purchase and distribution of valuable seeds, 1913 (foreign seed and plant introduction). Potatoes and sugar-beet seed under irrigation, 1913. |
| Wheeler, B. C. | Mechanician..... | Lethbridge, Canada, via Chicago, Ill., and St. Paul, Minn. (Oct. 10-Nov. 1, 1912). | To assist in the installation and demonstration of plant exhibits at International Dry Land Congress. | 219. 05 | International Dry Land Congress at Lethbridge, Canada, 1913. |
| Willier, J. C. | Scientific assistant | Minneapolis, Minn.; Yankton, Geddes, S. Dak.; Battle Creek, Ida Grove, Odebolt, Wall Lake, Des Moines, Holstein, Sioux City, Iowa; Wayne, Bloomfield, North Loup, Ord, Omaha, Nebr.; St. Louis, Kansas City, Mo.; Topeka, Kans.; Paris, Ill.; Indianapolis, Ind.; Harrison, Cincinnati, Wakeman, Cleveland, Ohio; Pittsburgh, McKeesport, Herndon, Klingerstown, Harrisburg, Pa. (July 7-Aug. 13, 1912). | To investigate methods of popcorn production and the manufacture of corn products. | 272. 93 | General expenses B. P. I., 1913, (cereal investigations). |
| Do..... | do..... | Oconomowoc, Wis.; Pikeston, Harrison, Ohio; Lawrenceburg, Ind.; Peoria, Ill.; Wall Lake, Odebolt, Scheller, Sac City, Ida Grove, Battle Creek, Iowa, and other points in States named (Aug. 17-Dec. 5, 1912). |do..... | 353. 34 | Do. |
| Do..... | do..... | Oconomowoc, Wis. (May 22-June 30, 1913). New York, N. Y.; Boston, Mass. (Nov. 7-13, 1912). |do..... | 31. 61 45. 19 | Do. General expenses B. P. I., 1913 (grain standardization). |
| Wilson, Myron W. | Laborer | | To arrange with factories for manufacture of special apparatus used in grain standardization work. | | |

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|-----------------------|---------------------------|---|--|---------|--|
| Woodworth, C. M..... | Scientific assistant..... | Madison, Wis.; Perry, Okla.; St. Louis, Mo. (Dec. 28, 1912-Jan. 11, 1913). | To conduct tests of sugar-beet varieties and propagate improved varieties of sugar-beet seed. | 71. 78 | Purchase and distribution of valuable seeds, 1913 (congressional seed distribution). |
| Wooten, E. O..... | Assistant curator..... | Las Cruces, Santa Rita Range Reserve, State College, N. Mex.; El Paso, Tex.; Tucson, Ariz.; Montrose, Pueblo, La Junta, Colo., and other points in States named (Aug. 29-Nov. 10, 1912). | To assist in the study of range and cactus problems, collect data, confer with cooperators, and institute further cooperative work, in connection with farm management investigations. | 368. 25 | General Expenses B. P. I., 1913 (utilization of cacti and dry-land plants). |
| Do..... | do..... | Santa Fe, Santa Rita Reserve, Las Cruces, N. Mex.; Tucson, Phoenix, Ariz.; Goldfield, Nev.; Bakersfield, Fresno, Stockton, Sacramento, Chico, Red Bluff, Berkeley, Cal., and other points in States named (Feb. 19-June 3, 1913). | do..... | 526. 77 | Do. |
| Wolfe, Stanley L..... | Forest assistant..... | Dover, N. J. (June 1-11, 1913)..... | To investigate the relation of the utilization of dead chestnut timber to the control of the chestnut tree bark disease. | 38. 18 | Investigating the chestnut-tree bark disease, 1913. |
| Yerkes, Arnold P..... | Scientific assistant..... | Gaithersburg, Md., Winchester, Harrisonburg, Staunton Purcellville, Leesburg, Va., and adjacent points (Apr. 14-24, 1913). | To obtain data on the adaptability of mechanical tractors to farm work, in connection with the study of farm equipment in relation to farm management. | 58. 53 | General expenses B. P. I., 1913 (farm management). |
| Young, R. A..... | do..... | New Orleans, New Iberia, Avery Island, La.; Tallahassee, Glen St. Mary, Jacksonville, Brooksville, Gainesville, Tampa, St. Petersburg, Miami, Orange City, Sanford, Kissimmee, Fla. (Sept. 22-Nov. 27, 1912). | To inspect experimental fields of yautias, taros, and dasheens, and arrange for their harvesting and shipment. | 330. 00 | Purchase and distribution of valuable seeds, 1913 (foreign seed and plant introduction). |
| Do..... | do..... | Battle Creek, Mich. (Jan. 1-29, 1913)..... | To arrange for cooperative tests in the growing of dasheen under glass and in the open air, and to confer with the authorities of Battle Creek Sanitarium and other food manufacturers relative to storing, handling, and utilizing the dasheen for food purposes. | 84. 10 | Do. |
| Do..... | do..... | Denver, Salda, Colo.; (Sacramento, Chico, Cal. (June 3-30, 1913). | To investigate the culture of dasheens, yautias, and taros, and arrange for tests to determine their economic value. | 210. 55 | Do. |
| Zook, L. L..... | do..... | Johnson, Lincoln, North Platte, Mitchell, Beatrice, Nebr.; Akron, Colo.; Newell, Highmore, S. Dak.; Hill City, Hutchinson, Kans.; Springer, N. Mex.; Yuma, Ariz.; Chico, Sacramento, Cal., and other points in States named (Oct. 1-Nov. 18, 1912). | To investigate methods of corn culture and improvement. | 197. 20 | General expenses B. P. I., 1913 (cereal investigations). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

FOREST SERVICE.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|-------------------------|---|--|----------------|--|
| Adams, Bristow | Forest assistant..... | Wisconsin and other Lake States (Sept. 3-Nov. 2, 1912). | To study hemlock and northern hardwoods... | \$190.22 | General expenses, Forest Service, 1913 (market and miscellaneous investigations); \$19.30 repaid Forest Service by Interior Department on account of work on Menominee Indian Reservation. |
| Do..... | do..... | Richmond, Va. (Nov. 28-30, 1912)..... | To attend meetings of Virginia State Teachers' Association, Virginia Geographic Society, and Geographic Section of Science Teachers of Virginia as representative of Forest Service. | 15.32 | General expenses, Forest Service, 1913 (market and miscellaneous investigations). |
| Do..... | do..... | Baton Rouge, La. (Jan. 11-18, 1913)..... | To attend meeting of the Louisiana Forestry Association and conference of farmers at the State college. | 93.15 | Cooperative work (forest investigations). |
| Do..... | do..... | Richmond, Va. (Apr. 15-18, 1913)..... | To attend the conference for education in the South in the interest of the forest work of the department. | 18.60 | General expenses, Forest Service, 1913 (market and miscellaneous investigations). |
| Adams, Jas. B. | Assistant forester..... | Madison, Wis., and various points in forest districts 2, 3, 4, 5, and 6 (Sept. 6-Dec. 7, 1912). | To make an administrative inspection of the forest-products laboratory and of the district office headquarters and to perform administrative work in the field districts. | 873.80 | General expenses, Forest Service, 1913 (general administration). |
| Do..... | do..... | Ogden, Utah, and Denver, Colo. (Apr. 10-May 3, 1913). | To attend a general land classification meeting and inspect the Ogden and Denver offices of the forest service. | 250.00 | Do. |
| Do..... | do..... | Albuquerque, N. Mex. (June 17-29, 1913)... | To make administrative inspection of the work of the forest district headquarters. | 182.50 | Do. |
| Barrows, W. B. | Forest assistant..... | Mont Alto and other points in Pennsylvania (trip begun in fiscal year 1912; July 1-3, 1912) | To collect specimens of forest materials for testing at the forest-products laboratory at Madison, Wis. | 14.50 | General expenses, Forest Service, 1913 (management of forests). |
| Do..... | do..... | Madison and other points in Wisconsin (Aug. 17-Dec. 1, 1912). | To study hemlock and northern hardwoods... | 328.55 | General expenses, Forest Service, 1913 (management of forests); \$36.20 repaid Forest Service by Interior Department on account of work on Menominee Indian Reservation. |

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|--------------------|-------------------------------------|--|--|--------|--|
| Bentley, G. A. | Clerk. | Richmond, Va., and points in North and South Carolina, Georgia, and Florida (June 9-28, 1913). | To secure data from manufacturers of lumber for use in a report to be published in cooperation with the Bureau of the Census. | 148.80 | General expenses, Forest Service, 1913 (forest products). |
| Besley, F. W. | Forest assistant. | Various points in Maryland (July 25-Sept. 3, 1912). | To cooperate with the State of Maryland in the study of second-growth hardwoods. | 154.26 | Cooperative work (forest investigations). |
| Cary, Austin. | Expert and forest assistant. | Ogden, Utah, and points in districts 4, 5, and 6 (Sept. 11, 1912-Mar. 4, 1913). | To perform certain work in connection with the administration of timber sales. | 868.05 | General expenses, Forest Service, 1913 (general administration). |
| Dana, S. T. | Assistant Chief, Office of Silvics. | Points in eastern Massachusetts (Sept. 27-30, 1912). | To investigate, in cooperation with the Bureau of Entomology, conditions regarding the destruction of forest trees by the gypsy moth. | 28.15 | General expenses, Forest Service, 1913 (management of forests). |
| Do. | do. | Points in districts 1, 6, 4, and 2 (Oct. 20-Dec. 31, 1912). | (1) To study the valuation of immature timber, with particular reference to fire damage. | 532.50 | Do. |
| Do. | do. | Boston, Mass. (Feb. 11-26, 1913). | (2) To inspect silvical investigations being undertaken in the districts visited. | 98.39 | Do. |
| Dayton, Wm. A. | Plant ecologist. | Sisson, Cal. (trip begun fiscal year 1912; July 1-Nov. 6, 1912). | To continue investigations, in cooperation with the Bureau of Entomology, in the destruction of forest trees by the gypsy moth, and methods of control through forest management. | 490.62 | General expenses, Forest Service, 1913 (national forest range investigations). |
| Do. | do. | Sisson, Cal., and headquarters of the Eldorado National Forest (June 5-30, 1913; trip not completed in fiscal year). | To conduct special range investigations. | 173.00 | Do. |
| Douglas, Lynn H. | Grazing examiner. | Points in Colorado and Wyoming (July 1-Dec. 4, 1912; trip begun in fiscal year 1912). | To take charge of range reconnaissance on the Medicine Bow National Forest. | 177.57 | Do. |
| Do. | do. | Denver, Colo. (May 18-June 30, 1913; trip not completed in fiscal year). | To work under the direction of the district forester of district 2 on range investigations. | 152.31 | Do. |
| Dunning, C. W. | Statistician in forest products. | Cleveland and other points in Ohio (Aug. 14-31, 1912). | To study the wood-using industries of Ohio... | 130.64 | General expenses, Forest Service, 1913 (forest products). |
| Do. | do. | Philadelphia and Westline, Pa., Cleveland, Ohio, and other points in adjoining States (Sept. 4-Nov. 6, 1912). | To confer regarding proposed cooperative work with the Ohio Agricultural Experiment Station, secure statistics from wood distillation plants, and carry on the study of wood-using industries of Ohio. | 579.30 | Do. |
| Do. | do. | Portland, Oreg. (Dec. 9-18, 1912). | To assume new duties at district headquarters. | 141.85 | Do. |
| Ellis, Don Carlos. | Assistant in forest education. | Louisville, Ky. (Nov. 27-Dec. 2, 1912). | To lecture before the Southern Educational Association on forestry subject. | 55.00 | General Service, 1913 (market and miscellaneous investigations). |
| Do. | do. | Philadelphia, Pa. (May 17-19, 1913). | To attend exhibition of the Pennsylvania State Forestry Association in the interest of bureau work. | 16.00 | Do. |
| Frothingham, E. H. | Forest assistant. | Madison, Wis., and other points in Wisconsin (Aug. 19-Dec. 11, 1912). | To study hemlock and northern hardwoods.... | 313.60 | General expenses, Forest Service, 1913 (management of forests). |
| Do. | do. | Madison, Wis. (June 23-30, 1913; trip not completed in fiscal year 1913). | To resume the study of hemlock and northern hardwoods. | 53.31 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

FOREST SERVICE—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|----------------------------------|--|---|----------------|---|
| Gould, Clark W. | Statistician in forest products. | Chattanooga, Tenn., and points in Alabama, Mississippi, Louisiana, and adjoining States (June 9-30, 1913). | To secure data from manufacturers of lumber for use in a report to be published in cooperation with the Bureau of the Census. | \$212.13 | General expenses, Forest Service, 1913 (forest products). |
| Graves, H. S. | Forester | Headquarters of the various national forest districts (Aug. 24-Nov. 17, 1912). | To confer with forest officers regarding the administration and protection of the forests. | \$54.20 | General expenses, Forest Service, 1913 (general administration). |
| Do. | do. | New York, N. Y. (Nov. 26-Dec. 26, 1912). | To confer with experts and collaborators in regard to the best methods of promoting the establishment of forestry throughout the country. | 54.30 | Do. |
| Do. | do. | Boston, Mass. (Feb. 15-17, 1913). | To confer with field assistant regarding the purchase of lands in the White Mountains under Weeks law. | 36.50 | Do. |
| Do. | do. | Philadelphia, Pa. (May 22-23, 1913). | To deliver an address on forestry before the Pennsylvania Forestry Association. | 12.00 | Do. |
| Greeley, W. B. | Assistant forester | San Francisco, Cal., and points in districts 1, 3, 5, and 6 (Sept. 11-Dec. 7, 1912). | To supervise and administer silvicultural work. | \$44.97 | Do. |
| Do. | do. | Madison, Wis. (Feb. 21-Mar. 6, 1913). | To inspect the forest products laboratory and its work. | 112.92 | Do. |
| Do. | do. | Madison, Wis., and points in South Dakota, Montana, Minnesota, and Wyoming (May 26-June 30, 1913; trip not completed in fiscal year 1913). | To supervise and inspect silvicultural work.... | 308.66 | Do. |
| Hall, Wm. L. | do. | Oldfort and Asheville, N. C., and other points in Georgia, North Carolina, and Tennessee (Aug. 6-Sept. 2, 1912). | To examine lands on the upper Savannah watershed considered for purchase under the Weeks law. | 109.72 | Acquisition of lands for protection of watersheds of navigable streams. |
| Do. | do. | Points in North Carolina and Virginia (Sept. 19-Oct. 4, 1912). | To examine lands with a view of their acquisition under the Weeks law. | 90.80 | Do. |
| Do. | do. | Philadelphia, Pa. (Dec. 28, 1912). | To confer with official of the Three States Lumber Co. in regard to questions relating to the acquisition of land under the Weeks law. | 10.15 | Do. |
| Do. | do. | Points in New England States (Jan. 9-Feb. 8, 1913). | To cooperate with field assistant in considering conditions affecting the purchase of lands examined in that region with a view to their acquisition. | 181.02 | Do. |
| Do. | do. | Points in Tennessee and North Carolina (Mar. 24-Apr. 2, 1913). | To examine lands proposed to be recommended for purchase under the Weeks law. | 87.38 | Do. |
| Do. | do. | Points in Virginia and Tennessee (May 20-23, 1913). | To perform necessary work in connection with purchase under the Weeks law in the White Top area. | 32.08 | Do. |

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|----------------------|--|---|----------|---|
| Do..... | Points in Tennessee and North Carolina (June 16-30, 1913). | To confer with field examiners in regard to examination of land under the Weeks law and with owners of land who desire to sell tracts to the Government. | 53.28 | Do. |
| Harris, John T..... | Statistician in forest products. | To confer with and instruct collaborators appointed to make a study of wood-using industries. | 52.61 | General expenses, Forest Service, 1913 (forest products). |
| Do..... | do..... | To study wood-using industries..... | 549.64 | Do. |
| Do..... | do..... | To confer with persons engaged in wood-using industries, procure materials from Arkansas and other southwestern States for test at the forest products laboratories, and report to district forester at Albuquerque, N. Mex. | 31.10 | Do. |
| Harvey F. L..... | Clerk (law examiner). | To inspect the lands files in the districts and report on forest land settlement work; secure data and make report on individual cases involving entries under homestead laws applicable to the national forests; to investigate and report on trespass case involving water right of ranger station site; to assist district 3 in right of accumulation of lands business. To investigate the financial responsibility of certain applicants for purchase of a large quantity of national forest timber. | 1,479.90 | General expenses, Forest Service, 1913 (general administration). |
| Irlon, Harry..... | Clerk..... | To lecture at the National Educational Association on forestry matters. | 21.25 | Do. |
| Jackson, E. R..... | Expert..... | To assist the State forester in a study of forest conditions. | 60.90 | General Expenses, Forest Service, 1913 (market and miscellaneous investigations). |
| Keefe, T. V..... | Field assistant..... | To make general inspection and review of the methods in which the grazing business is being handled. | 64.20 | General expenses, Forest Service, 1913 (management of forests). |
| Kneipp, L. F..... | Assistant forester..... | To investigate the methods of procedure followed by the officers of the different districts and forests in the administration of the grazing business; to confer with permittees using the national forests for grazing purposes, and determine if the present system of range management is best suited to the different forests. | 491.60 | General Expenses, Forest Service, 1913 (general administration). |
| Do..... | do..... | To collect samples of green wood for laboratory use. | 638.00 | Do. |
| Koehler, Arthur..... | Xylogonomist..... | | 96.60 | General expenses, Forest Service, 1913 (management of forests). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

FOREST SERVICE—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|--------------------|--|--|---|----------------|--|
| Lamb, G. N. | Scientific assistant. | Altnar, N. Y., and other points in New York, Vermont, New Hampshire, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Oklahoma, Arkansas, Tennessee, Kentucky, and West Virginia (Aug. 19-Nov. 18, 1912). | To make a study of wood ashes for use in a bulletin. | \$142.90 | General expenses, Forest Service, 1913 (management of forests). |
| Lamb, Wm. H. | Scientific assistant in forest distribution. | New York City, and Philadelphia, Pa. (Apr. 1-May 7, 1913). | To compile data for use in the study of forest distribution. | 83.50 | Do. |
| Do. | do. | Bitmore and Asheville, N. C. (May 24-June 3, 1913). | do. | 64.95 | Do. |
| Do. | do. | Boston, Mass. (June 23-30, 1913). | do. | 65.05 | Do. |
| Mangan, W. J. | Clerk (law examiner) | Denver, Colo.; Missoula, Mont.; Portland, Oreg.; and San Francisco, Cal. (Sept. 14-Nov. 17, 1912). | To carry on lands work in the field and assist in organizing forces in the several districts for land classification parties. | 532.98 | General expenses, Forest Service, 1913 (general administration). |
| Mattoon, Wilbur R. | Forest examiner. | Summerville, S. C., and points in Florida (trip begun in fiscal year 1912; July 1-21, 1912). | To inspect experimental tree-planting work and to supervise planting and sowing on the Ocala and Choctawhatchee divisions of the Florida National Forest. | 71.50 | General expenses, Forest Service, 1913 (management of forests). |
| Do. | do. | Greenville, S. C.; Atlanta, Ga.; and Hot Springs, Ark. (Oct. 7-Dec. 19, 1912). | To study shortleaf pine in the southern States, and to make an examination of a private tract of woodland. | 18.20 | Cooperative work (forest investigations). |
| Do. | do. | Points in South Carolina, Georgia, and Florida (Feb. 10-Mar. 30, 1913). | To inspect experimental tree plantings on the Florida National Forest; inspect silvicultural work carried on in cooperation with the South Carolina State Agricultural Experiment Station; establish grove sample plots of longleaf pine in South Carolina. | 388.72 | General expenses, Forest Service, 1913 (management of forests). |
| Do. | do. | Trenton, Newark, and Atlantic City, N. J. (May 21-29, 1913). | To inspect experimental tree planting in cooperation with the State of New Jersey. | 261.28 | Do. |
| Do. | do. | Plumas National Forest (trip begun in fiscal year 1912; July 1-Aug. 1, 1912). | To prepare a working plan of the Plumas National Forest. | 66.40 | Do. |
| Moore, Barrington. | Forest assistant. | Albany, N. Y., and other points in New York and New Jersey (Oct. 7-26, 1912). | To inspect cooperative work in the protection of forests from fire. | 64.60 | Do. |
| Murphy, L. S. | Forest examiner. | Oakland and other points in Maryland (Nov. 18-23, 1912). | do. | 130.08 | Do. |
| Do. | do. | Philadelphia and near-by points in Pennsylvania (Nov. 7-11, 1912). | To ascertain methods of utilizing blight-killed chestnut timber. | 34.98 | Do. |
| Nellis, J. C. | Statistician in forest products. | | | 18.00 | General expenses, Forest Service, 1913 (forest products). |

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| Peters, J. G. | Chief, Office of State Cooperation. | Augusta, Me., and points in Northeastern States (Apr. 18-26, 1913). | To confer with collaborators in Northeastern States cooperating under sec. 2 of the Weeks law. | 59.80 | General expenses, Forest Service, 1913 (management of forests). |
| Do. | do. | Frankfort, Ky. (May 13-16, 1913). | To confer with the State forester in reference to proposed cooperation under sec. 2 of the Weeks law. | 48.25 | Do. |
| Pierson, A. H. | Statistician in forest products. | Camden, N. J., and other points in New Jersey and adjoining States (Aug. 2-Sept. 23, 1912). | To secure data from manufacturers for use in connection with the study of wood-using industries in New Jersey. | 326.15 | General expenses, Forest Service, 1913 (forest products). |
| Do. | do. | Parsons, W. Va., and points in Maryland, West Virginia, Kentucky, Tennessee, Missouri, Arkansas, Texas, Georgia, South Carolina, and North Carolina (Oct. 23-Dec. 8, 1912). | To secure data from manufacturers of lumber and other forest products for use in reports to be published in cooperation with the Bureau of the Census. | 364.02 | Do. |
| Do. | do. | Cumberland, Md.; Piedmont and other points in West Virginia, Virginia, Kentucky, Tennessee, and adjoining States (June 8-30, 1913; trip not completed in fiscal year 1913). | do. | 169.05 | Do. |
| Plummer, F. G. | Geographer. | Madison, Wis.; the various district headquarters of the Forest Service; Seattle and Tacoma, Wash.; and San Diego, Cal. (Aug. 23-Oct. 12, 1912). | To inspect atlas files and maps and confer with field officers on matters relating to the standardizing of surveying instruments and geographic work in connection with forest investigations. | 430.90 | General expenses, Forest Service, 1913 (market and miscellaneous investigations). |
| Do. | do. | District headquarters, Los Angeles, Cal.; Roseburg, Oreg.; Tacoma, Wash.; Salt Lake City, Utah (Apr. 30-June 30, 1913; trip not completed in fiscal year 1913). | To inspect forest reconnaissance work after conference with district foresters. | 496.00 | Do. |
| Potter, A. F. | Associate forester. | Albuquerque, N. Mex., and other points in district 3; Denver, Colo., and Hot Springs, Ark. (July 17-Sept. 17, 1912). | To confer with district forester in reference to the general administration of the national forests and changes in their boundaries which may appear advisable and to assist in the adjusting of matters relating to the regulating of grazing on the national forests. | 461.70 | General expenses, Forest Service, 1913 (general administration). |
| Do. | do. | Cheyenne, Wyo., and Phoenix, Ariz. (Jan. 4-Feb. 5, 1913). | To attend annual convention of National Woolgrowers' Association and meeting of the American National Livestock Association; to secure information for use in connection with grazing studies on the national forests. | 323.45 | Do. |
| Do. | do. | Boise, Idaho (Feb. 20-Mar. 1, 1913). | To confer with the State land board in reference to the final settlement of the exchange of school lands within national forests. | 187.65 | Do. |
| Polhemus, G. W. | Field assistant. | Points in Wisconsin (Oct. 1-Nov. 15, 1912). | To make a study of northern hardwoods and mark timber for cutting on Menominee Indian Reservation. | 111.26 | General expenses, Forest Service, 1913 (management of forests); \$24.70 repaid Forest Service appropriation by Interior Department on account of work done on Menominee Indian Reservation. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

FOREST SERVICE—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------------|----------------------------------|--|---|----------------|--|
| Shir-Cliff, W. H. | Clerk. | Points in Virginia, West Virginia, Tennessee, North Carolina, South Carolina, Georgia, and adjoining States (Nov. 23-Dec. 15, 1912). | To investigate and report upon the manner of preparation and submission of accounts by officers and employees in the field and to give information and assistance in accounting matters as suggested by conditions at the various camps and headquarters visited. | \$41.60 | Acquisition of lands for protection of watersheds of navigable streams. |
| Simmons, Roger E. | Statistician in forest products. | Harrisburg, Pa. (July 29-Aug. 2, 1912). | To instruct field men engaged in the study of wood-using industries. | 23.11 | General expenses, Forest Service, 1913 (forest products). |
| Do. | do. | Worster, Ohio, Philadelphia, Harrisburg, and Pittsburg, Pa. and other points in Ohio and Pennsylvania (Aug. 16-Oct. 23, 1912). | To study wood-using industries. | 689.70 | Do. |
| Do. | do. | Pittsburgh, Pa.; Parkersburg, W. Va.; and points in West Virginia and Virginia (Nov. 17-Dec. 1, 1912). | To study the wood-using industries of West Virginia; to interview the commissioner of agriculture of Virginia with regard to the printing of the report on wood-using industries of Virginia. | 121.30 | Do. |
| Smith, Herbert A. | Editor. | Richmond Va. (Apr. 15-20, 1913). | To attend Conference for Education in the South as representative of, and in the interest of, Forest Service. | 24.70 | General expenses, Forest Service 1913 (market and miscellaneous investigations). |
| Sterrett, W. D. | Forest assistant. | Plains, Va.; Waynesville and Biltmore, N. C. (July 11-31, 1912). | To examine private woodlands in cooperation with owner. | 49.20 | Cooperative work (forest investigations). |
| Do. | do. | Albmar, N. Y.; and other points in New York, the New England States, Pennsylvania, Ohio, Indiana, Michigan, Illinois, Missouri, Kentucky, West Virginia, Virginia, and Maryland (Aug. 23-Dec. 20, 1912). | To make a study of wood ashes for use in a bulletin. | 620.79 | General expenses, Forest Service, 1913 (management of forests). |
| Do. | do. | Garrisonville, Va. (June 16-30, 1913). | To make an examination of woodlands. | 12.35 4.55 | Do. Cooperative work (forest investigations). |
| Swan, O. T. | Engineer in forest. | Chicago, Ill.; St. Louis, Mo.; St. Paul, Minn.; Milwaukee and Madison, Wis. (July 9-Sept. 28, 1912). | To confer with cooperators in the lumber price work and discuss radical changes of the present plan for securing statistics with leading lumber association secretaries. | 271.25 | General expenses, Forest Service, 1913 (forest products). |
| Do. | do. | Columbia, S. C. (Oct. 13-19, 1912). | To arrange with State authorities for a cooperative wood-using industry investigation. | 43.62 | Do. |

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| Do..... | do..... | New York City, Philadelphia, and other points in the States of New York and Pennsylvania (Oct. 28-Nov. 1, 1912). | 26.68 | Do. |
| Do..... | do..... | Chicago, Ill., and points in the Mississippi Valley (June 6-30, 1913). | 30.35 | Do. |
| Tillotson, C. B..... | Forest assistant..... | Portland, Oreg., and other points in district 6 (trip begun in fiscal year 1912; July 1-Oct. 16, 1912). | 238.22 | General expenses, Forest Service, 1913 (management of forests). |
| Do..... | do..... | Denver and other points in Colorado; Ogden and Salt Lake, Utah; and points in Idaho and Montana (Apr. 23-June 30, 1913; trip not completed in fiscal year 1913). | 426.50 | Do. |
| Wharton, Georgia E..... | Clerk..... | Chicago, Ill., and St. Louis, Mo. (June 10-22, 1913). | 104.55 | Do. |
| Williamson, A. W..... | Forest assistant..... | Points in the northern Mississippi Valley region and in the southern Mississippi Valley from Missouri to the Gulf (Aug. 9-Oct. 19, 1912). | 400.42 | Do. |
| Do..... | do..... | New York, N. Y. (Mar. 18-20, 1913)..... | 17.20 | General expenses, Forest Service, 1913 (management of forests). This amount was later repaid the Forest Service appropriation by the War Department. |
| Wolfe, Stanley L..... | Statistician in forest products..... | Charleston and other points in South Carolina and North Carolina (Apr. 1-19, 1913). | 133.35 | General expenses, Forest Service, 1913 (forest products). |
| Do..... | do..... | Harrisburg and other points in Pennsylvania; Rutland and other points in Vermont and adjoining States (June 16-24, 1913). | 81.39 | Do. |
| Do..... | do..... | Williamsport and Altoona, Pa. (June 26-28, 1913). | 29.77 | Do. |
| Woodward, K. W..... | Forest examiner..... | Gorham, N. H., and other points in the New England States (Oct. 7-Nov. 5, 1912). | 143.73 | Acquisition of lands for protection of watersheds of navigable streams. |
| Do..... | do..... | Natural Bridge, Va., and other points in the southern Appalachians (Apr. 14-26, 1913). | 75.60 | Do. |
| Zon, Raphael..... | Chief, Office of Silvics..... | Various points in districts 1, 2, 5, and 4 (trip begun in fiscal year 1912; July 1-Sept. 16, 1912). | 360.37 | General expenses, Forest Service, 1913 (management of forests). |

To confer with assistants concerning the progress of the wood-using industry investigation.

To visit representative cooperage mills and make special report on the cooperage industry in connection with forest products investigations.

To conduct experiments in reforestation.....

To inspect Forest Service nurseries and field planting work.

To compile data for use in the study of forest distribution.

To obtain data on the study of cottonwood in the Mississippi Valley.

To make an examination of the trees on the grounds of the New York Arsenal, New York Harbor.

To procure special reports and other data relating to the wood-using industries of South Carolina, and to secure material for tests upon red and black gum.

To secure data from manufacturers of lumber and other forest products for use in reports to be published in cooperation with the Bureau of the Census.

To obtain data for the compilation of statistics of lumber production and other forest products in Pennsylvania.

To examine the survey, improvement, purchase, and run-off descriptive work carried on in the White Mountain area.

To inspect the administrative and examination work on the Natural Bridge forest area.

To assist in organizing forest experiment work; study forest products work; confer with forest officers in regard to the publication of the review of forest investigations; and examine proposed site for grazing experiments on the Manti National Forest.

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

FOREST SERVICE—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|--------------------|---------------------------|---|---|----------------|---|
| Zon, Raphael | Chief, Office of Silvics. | Gorham, N. H. (Oct. 25-31, 1912)..... | To investigate the methods used by the Geological Survey in determining the effect of forests on stream flow. | \$60.71 | General expenses, Forest Service, 1913 (management of forests). |
| Do..... | do..... | New York and Boston (June 18-24, 1913)... | To investigate, in cooperation with the Bureau of Entomology, conditions regarding the destruction of forest trees by the gypsy moth. | 54.25 | Do. |

BUREAU OF CHEMISTRY.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|--|---|---|----------------|--|
| Alsberg, Carl L..... | Chief of Bureau of Chemistry. | New York, N. Y.; Pittsburgh, Pa.; Louisville, Ky.; Philadelphia, Pa. (Feb. 1-28, 1913). | To inspect, supervise, and perform other work in connection with the enforcement of the food and drugs act. | \$157.30 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | Philadelphia, Pa. (Mar. 2, 1913)..... | do..... | 12.60 | Do. |
| Do..... | do..... | Baltimore, Md. (Mar. 3, 1913)..... | do..... | 3.20 | Do. |
| Do..... | do..... | Wilmington, Del. (Mar. 13-14, 1913)..... | do..... | 23.20 | Do. |
| Do..... | do..... | Milwaukee and Madison, Wis.; Chicago, Ill.; Princeton, N. J. (Mar. 23-Apr. 2, 1913). | do..... | 85.38 | Do. |
| Do..... | do..... | New York, N. Y. (Apr. 5-6, 1913)..... | do..... | 25.60 | Do. |
| Do..... | do..... | Charlottesville, Va. (Apr. 16-17, 1913)..... | do..... | 13.40 | Do. |
| Do..... | do..... | Norfolk, Va. (Apr. 23-25, 1913)..... | do..... | 20.85 | Do. |
| Do..... | do..... | New York, N. Y.; Boston, Mass. (May 16-17, 1913). | do..... | 38.40 | Do. |
| Do..... | do..... | New York, N. Y. (May 20, 21, 1913)..... | do..... | 24.85 | Do. |
| Do..... | do..... | Philadelphia, Pa.; Atlantic City, N. J. (June 4-6, 1913)..... | do..... | 21.60 | Do. |
| Do..... | do..... | New York, N. Y. (June 7-12, 1913)..... | do..... | 34.80 | Do. |
| Do..... | do..... | Mobile, Ala. (June 14-20, 1913)..... | do..... | 76.73 | Do. |
| Do..... | do..... | Baltimore, Md. (June 27, 1913)..... | do..... | 2.75 | Do. |
| Bacon, C. B..... | Assistant chemist. | Baltimore, Md. (June 16, 1913)..... | To study the processes of manufacturing stamping ink in connection with tests of contract supplies and prepare specifications therefrom. | 2.15 | General expenses, Bureau of Chemistry, 1913 (laboratory miscellaneous expenses). |
| Bailey, H. S..... | Chief of the oil, fat, and wax laboratory. | Los Angeles, Cal.; necessary travel between, within, and throughout the States of California, Arizona, Washington, and Oregon. (Sept. 26, 1912-June 1, 1913). | To assist in investigation of the possibility of utilizing citrus by-products of the Pacific coast; to make a study of the oil industry of that region; to confer with heads of St. Louis and Kansas City laboratories. | 876.70 | Do. |

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|----------------------|---|--|---|--------|---|
| Do..... | Do..... | Boston, Mass. (June 13-20, 1913)..... | To consult with head of Boston laboratory relative to the equipment of new quarters. | 56.60 | Enforcement of the food and drugs act, 1913. |
| Bain, H. M..... | Clerk..... | New York, N. Y. (June 9-12, 1913)..... | To report hearings in connection with the enforcement of the food and drugs act. | 31.60 | Do. |
| Bates, Carleton..... | Assistant bacteriologist..... | Boston, Mass.; Providence, R. I.; Bridgeport, Conn.; South Norwalk, Conn. (Aug. 11-Sept. 16, 1912). | To conduct a bacteriological investigation of clams and milk in connection with the enforcement of the food and drugs act. | 133.44 | Do. |
| Do..... | Do..... | Trenton, N. J.; Bridgeport, Conn. (Oct. 8-12, 1912). | To perform bacteriological work on oysters and clams in connection with the enforcement of the food and drugs act. | 37.20 | Do. |
| Do..... | Do..... | Trenton, N. J. (Oct. 7, 8, 1912)..... | To appear as a witness in case arising under the food and drugs act. | 7.95 | Do. |
| Do..... | Do..... | Kansas City, Mo. (Nov. 9-11, 1912); Omaha, Neb.; Council Bluffs, Iowa; Chicago, Ill.; Milwaukee, Wis.; Grand Rapids, Mich.; Carrollville, Wis. (Nov. 11-20, 1912). | To appear as a witness in case arising under the food and drugs act, to perform bacteriological work in gelatin investigations, and investigate condensed-milk factories, in connection with the enforcement of the food and drugs act. | 138.46 | Do. |
| Do..... | Do..... | Holland, Detroit, and Grand Rapids, Mich.; Chicago, Ill. (Dec. 12-21, 1912). | To perform bacteriological work on gelatin investigations, in connection with the enforcement of the food and drugs act. | 122.74 | Do. |
| Do..... | Do..... | Milwaukee and Carrollville, Wis.; Holland and Detroit, Mich.; Buffalo and New York, N. Y. (Jan. 5-Feb. 3, 1913). | To conduct bacteriological study of gelatin, oysters, and clams, in connection with the enforcement of the food and drugs act. | 216.05 | Do. |
| Do..... | Do..... | Chicago, Ill. (Feb. 12-15, 1913)..... | To investigate condensed-milk factories, in connection with the enforcement of the food and drugs act. | 58.50 | Do. |
| Do..... | Do..... | Alexandria, Va. (Mar. 21, 1913)..... | To perform miscellaneous bacteriological work, in connection with the enforcement of the food and drugs act. | 3.00 | Do. |
| Do..... | Do..... | Alexandria, Va. (Mar. 23, 1913)..... | do..... | 3.10 | Do. |
| Do..... | Do..... | Alexandria, Va. (Mar. 25, 1913)..... | do..... | 3.10 | Do. |
| Do..... | Do..... | Providence, R. I.; Boston, Mass. (Apr. 15-21, 1913). | To make a bacteriological examination of clams and milk, in connection with the enforcement of the food and drugs act. | 49.45 | Do. |
| Do..... | Do..... | Hagerstown, Md.; Pittsburgh, Pa.; Wheeling, Bluefield, W. Va.; Roanoke and Buchanan, Va. (May, 5-12, 1913). | To perform bacteriological work on oysters and clams, in connection with the enforcement of the food and drugs act. | 69.64 | Do. |
| Do..... | Do..... | Orange City, Junction, Orange City and Jacksonville, Fla. (May 27-June 3, 1913). | To perform miscellaneous bacteriological work, in connection with the enforcement of the food and drugs act. | 88.30 | Do. |
| Do..... | Do..... | Pittsburgh and Philadelphia, Pa.; Wheeling, W. Va.; Youngstown, Ohio (June 5-30, 1913). | do..... | 160.53 | Do. |
| Bigelow, W. D..... | Assistant Chief of Bureau and Chief of Division of Foods. | Ellsworth and Bangor, Me. (Aug. 14-17, 1912). | To supervise and perform inspection and other work in connection with the enforcement of the food and drugs act. | 22.75 | Do. |
| Do..... | Do..... | New York, N. Y. (Sept. 5-13, 1912)..... | To attend the Eighth International Congress of Applied Chemistry in the interest of the department work. | 57.38 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF CHEMISTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------|---|---|--|----------------|---|
| Bigelow, W. D. | Assistant Chief of Bureau and Chief of Division of Foods. | Springfield, Boston, Mass.; New York, N. Y. (Nov. 5-8, 1912). | To supervise and perform inspection and other work in connection with the enforcement of the food and drugs act. | \$38.15 | Enforcement of the food and drugs act, 1913. |
| Do. | do. | Chicago, Ill.; St. Louis, Mo.; Pittsburgh, Pa. (Dec. 11-22, 1912). | do. | 119.05 | Do. |
| Do. | do. | Louisville, Ky. (Feb. 9-16, 1913). | To attend a meeting of the National Canners' Association to secure information useful in connection with bureau work. | 68.80 | Do. |
| Do. | do. | Chicago, Ill.; Madison, Wis. (Mar. 23-30, 1913). | To supervise and perform inspection and other work in connection with the enforcement of the food and drugs act; and to attend a meeting of the American Chemical Society at Milwaukee, Wis., in the interest of the work of the bureau. | 86.44 | Do. |
| Do. | do. | Baltimore, Md.; New York, N. Y.; Boston, Mass. (Apr. 4-9, 1913). | To supervise and perform inspection and other work in connection with the enforcement of the food and drugs act. | 63.05 | Do. |
| Black, C. L. | Dairy chemist. | New York, N. Y. (May 25-27, 1913). | To appear as witness in case arising under the food and drugs act. | 24.00 | Do. |
| Boughton, E. W. | Assistant chemist. | New York, N. Y. (Sept. 23-28, 1912). | To attend the Third International Rubber Conference to secure information of value in the work of the bureau. | 20.75 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do. | do. | Atlantic City, N. J. (June 23-27, 1913). | To attend meeting of the American Society for Testing Materials and confer with special committee investigating protective coatings, such as paints, varnishes, etc. | 28.75 | Do. |
| Boyle, Martin. | do. | St. Louis, Mo. (Jan. 9-11, 1913). | To appear as witness in case arising under the food and drugs act. | 64.45 | Enforcement of the food and drugs act, 1913. |
| Do. | do. | New York, N. Y. (Feb. 12-14, 1913). | do. | 26.90 | Do. |
| Breazeale, J. F. | Laboratory assistant. | Fresno, Stockton, San Francisco, and other points in California; Yuma and Tucson, Ariz.; San Antonio, Tex. (Oct. 13-Nov. 15, 1912). | To conduct a chemical investigation on the malnutrition of citrus fruit trees. | 291.75 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Broomell, A. W. | Assistant chemist. | New Orleans, Lake Charles, La.; Dayton, Tex.; Jennings, Ga.; Crowley, La.; Abbeville, Ga.; Houston, Bay City, Eagle Lake, Beaumont, Tex.; Little Rock, Ark.; Memphis, Tenn.; Natchez, Miss.; Burnside, Donaldson, Kenner, Walsh, La.; Orange, Port Arthur, Lane City, Wharton, El Campo, Tex. (Sept. 3, 1912-May 31, 1913). | To study methods of preparation of rice for market, rice adulteration, etc., in connection with the enforcement of the food and drugs act. | 1,085.85 | Enforcement of the food and drugs act, 1913. |

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| Bryan, A. Hugh..... | Chief of sugar laboratory. | New York, N. Y. (Sept. 9-11, 1912)..... | To attend, as the official delegate of the Bureau of Chemistry, meeting of International Commission for Uniform Methods of Sugar Analysis. | 17. 85 | Do. |
| Do..... | do..... | Greenup, Ashland, Shelbyville, Ky.; Birdseye, Princeton, Indianapolis, Ind. (Oct. 8-13, 1912). | To study the manufacture of sirups and investigate the effect on chemical composition of maple and sorghum of different methods of manufacture. | 76. 95 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do..... | do..... | New Orleans, Plaquemine, and Donaldson, La.; Cairo, Ga.; Montgomery, Ala.; Louisville, Ky. (Dec. 1-31, 1912). | do..... | 216. 64 | Do. |
| Do..... | do..... | Burlington, Vt.; New York, N. Y. (Jan. 6-8, 1913). | To attend meeting of Vermont Maple Sugar Makers' Association; to consult trade experts at New York on matters pertaining to sugar industry of that city. | 41. 93 | Do. |
| Do..... | do..... | Springfield, Ill.; various points within the States of Illinois, Indiana, and Ohio (Jan. 13-20, 1913). | To confer with the United States attorney and collect evidence relative to cases pending in connection with the enforcement of the food and drugs act. | 81. 59 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | New York and Brooklyn, N. Y. (Mar. 10-13, 1913). | To investigate the preparation and manufacture of maple sirup, in connection with the enforcement of the food and drugs act. | 22. 35 | Do. |
| Do..... | do..... | New York, N. Y.; Montreal, Canada; Burlington, Montpelier, Rutland, Vt.; Troy, N. Y. (Apr. 4-16, 1913). | To study manufacture of individual sirups; and investigate effect on chemical composition of maple and sorghum of different methods of manufacture. | 81. 90 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Chace, E. M..... | Chief of food technology laboratory. | Chicago, Ill. (Feb. 16-22, 1913)..... | To appear as witness in case arising under the food and drugs act. | 75. 15 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | Baltimore, Md. (Mar. 19-, 1913). | To perform miscellaneous inspection work in connection with the enforcement of the food and drugs act. | 2. 10 | Do. |
| Do..... | do..... | Philadelphia, Pa. (June 26-28, 1913)..... | To attend, as a representative of the Bureau of Chemistry, meeting of committee on essential oils of Convention for the Revision of the Pharmacopoeia. | 19. 65 | Do. |
| Chick, Thomas..... | Skilled laborer. | Cincinnati, Ohio (July 1-Aug. 7, 1912)..... | To assist in installing the equipment of the Cincinnati food and drugs inspection laboratory. | .77. 35 | Do. |
| Do..... | do..... | New York, N. Y. (Jan. 7-Feb. 16, 1913)..... | To assist in the installation of certain laboratory equipment at the New York laboratory. | 144. 55 | Do. |
| Do..... | do..... | Boston, Mass. (June 5-18, 1913)..... | To assist in the removal of the Boston laboratory to new quarters and in work of installation. | 65. 20 | Do. |
| Do..... | do..... | St. Louis, Mo. (June 20-30, 1913). | To assist in the removal of St. Louis laboratory to new quarters and in work of installation. | 55. 50 | Do. |
| Church, C. G..... | Assistant chemist. | Yuma, Ariz.; Imperial and El Centro, Cal.; Rocky Ford, Colo.; Garden City, Laklin, Kans.; Lincoln, Waterloo, Nebr.; Decker, Evansville, Ind.; Fayetteville, Tenn.; Salisbury, Md.; Sweedsboro, N. J.; Hartford, Hockanum, Conn. (July 1-Oct. 4, 1912). | To conduct experiments and investigations, from standpoint of physiological chemistry, of the effects of environment on cantaloupes. | 524. 96 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF CHEMISTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|--------------------|------------------------------------|---|---|----------------|---|
| Church, C. G. | Assistant chemist. | Gainesville, Fla., and travel within a radius of 100 miles of that place (June 9-30, 1913). | To conduct investigations and experiments on the influence of environment on the chemical composition of cantaloupes in collaboration with the Bureau of Plant Industry. | \$150. 10 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Collins, W. D. | do. | Waukesha, Wis. (Oct. 5-20, 1912). | To conduct chemical investigations of mineral and other waters in connection with the enforcement of the food and drugs act. | 92. 28 | Enforcement of the food and drugs act, 1913. |
| Cook, F. C. | Physiological chemist. | Travel between Washington, D. C., and Arlington Farms, Va. (June 7-30, 1913). | To conduct chemical investigations, from an agricultural standpoint, as to the effects on fertilizing properties of manure when treated with the various insecticides and larvacides, in collaboration with the Bureau of Entomology. | 20. 00 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Coopersmith, S. | Bacteriologist. | Philadelphia, Pa. (Mar. 13, 1913). | To assist in the work of the food research laboratory for permanent assignment. | 5. 75 | Enforcement of the food and drugs act, 1913. |
| Demaree, H. J. | Clerk. | Philadelphia, Pa. (Apr. 23-25, 1913). | To consult with the United States attorney and identify certain records in connection with case arising under the food and drugs act. | 16. 90 | Do. |
| Dickerson, Ernest. | Laboratory helper. | Boston, Mass. (Aug. 11-24, 1912). | To assist in the bacteriological examination of clams and milk in connection with the enforcement of the food and drugs act. | 65. 08 | Do. |
| Dodge, C. O. | Assistant chemist. | New York, N. Y. (May 26, 1913). | To appear as witness in case arising under the food and drugs act. | 15. 00 | Do. |
| Doolittle, R. E. | Acting chief, Bureau of Chemistry. | New York, N. Y. (Sept. 9-11, 1912). | To attend the Eighth International Congress of Applied Chemistry as representative of the department. | 17. 10 | Do. |
| Do. | do. | New York, N. Y. (Nov. 14-16, 1912). | To inspect work under way in connection with the enforcement of the food and drugs act. | 20. 40 | Do. |
| Do. | do. | Detroit, Mich. (Nov. 30-Dec. 8, 1912). | do | 52. 90 | Do. |
| Do. | do. | New York, N. Y. (Dec. 31, 1912). | To assume charge of New York laboratory for permanent assignment. | 9. 25 | Do. |
| Dunbar, P. B. | Assistant chemist. | Newbern, N. C. (Oct. 27-31, 1912). | To appear as a witness in case arising under the food and drugs act. | 34. 15 | Do. |
| Do. | do. | New Orleans, La.; Neptune, Buras, Algiers, La.; Biloxi, Miss.; Apalachicola, Fla.; Pass Christian, Miss.; Savannah, Brunswick, Ga.; Bluffton, Hardeeville, Charleston, S. C. (Mar. 21-Apr. 12, 1913). | To conduct investigations regarding the packing of coye oysters and study the packing of dried apples in connection with the enforcement of the food and drugs act. | 193. 88 | Do. |
| Do. | do. | Philadelphia, Pa. (Apr. 17-18, 1913). | To make investigations regarding interstate shipments of oranges in connection with the enforcement of the food and drugs act. | 11. 85 | Do. |

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|---------------------|---|--|--|--------|-----|
| Dunlap, F. L. | Associate chemist. | Points in the State of New York and the New England States (Aug. 6-13, 1912). | To perform miscellaneous chemical work in connection with the enforcement of the food and drugs act. | 50.50 | Do. |
| Emery, Wm. O. | Chief of synthetic products laboratory. | New York, N. Y. (Jan. 21, 28, 1913). | To appear as witness in case arising under the food and drugs act. | 48.60 | Do. |
| Do. | do. | Chicago, Ill.; Minneapolis, Minn.; St. Louis, Mo.; Indianapolis, Ind. (Feb. 7-21, 1913). | To collect samples and information for use in connection with the enforcement of the food and drugs act. | 152.01 | Do. |
| Fitzgerald, F. F. | Assistant chemist. | St. Paul, Minn., and points in the States of Minnesota, Wisconsin, Iowa, Illinois, and Indiana (Aug. 15-Sept. 1, 1912). | To investigate factories canning fruits and vegetables in connection with the enforcement of the food and drugs act. | 148.40 | Do. |
| Do. | do. | Points in the States of Louisiana, Mississippi, Alabama (Sept. 21-Oct. 11, 1912). | To conduct investigations of the shrimp industry in connection with the enforcement of the food and drugs act. | 164.01 | Do. |
| Do. | do. | New York, N. Y. (Jan. 27-Feb. 23, 1913). | To assist in the chemical analysis of miscellaneous samples in connection with the enforcement of the food and drugs act. | 89.40 | Do. |
| Do. | do. | New Orleans, La.; Buras, Neptune, Algiers, La.; Biloxi, Miss.; Rochester, Sodus, Williamson, Webster, East Rochester, and New York, N. Y. (Mar. 21-Apr. 11, 1913). | To investigate the packing of dried apples, fruits, and oysters, in connection with the enforcement of the food and drugs act. | 190.81 | Do. |
| Gallagher, J. S. G. | Clerk. | St. Louis, Mo. (Jan. 8-13, 1913). | To appear as witness in case arising under the food and drugs act. | 70.75 | Do. |
| Do. | do. | Baltimore, Md. (Jan. 14, 1913). | do. | 3.15 | Do. |
| Do. | do. | Chicago, Ill. (Feb. 12-21, 1913). | do. | 93.55 | Do. |
| Goodnow, E. H. | Assistant chemist. | Utica, N. Y. (Dec. 11-13, 1912). | To appear as witness in case arising under the enforcement of the food and drugs act. | 58.24 | Do. |
| Do. | do. | Albany, N. Y. (Feb. 10-13, 1913). | do. | 29.15 | Do. |
| Greathouse, R. C. | Scientific assistant. | Bluefield, W. Va., and travel within and throughout the States of Virginia, West Virginia, and Ohio. (Aug. 21-29, 1912). | To make bacteriological examinations of milk and ice cream in connection with the enforcement of the food and drugs act. | 55.36 | Do. |
| Do. | do. | Philadelphia, Pa. (Sept. 16-18, 1912). | To appear as witness in cases arising under the food and drugs act. | 21.20 | Do. |
| Do. | do. | Trenton, N. J. (Oct. 16-17, 1912). | do. | 14.45 | Do. |
| Do. | do. | Springfield, Ill. (Jan. 20-30, 1913). | To appear as witness in certain milk cases arising under the food and drugs act. | 89.55 | Do. |
| Do. | do. | Atlanta, Ga. (Mar. 29-Apr. 2, 1913). | To appear as witness in case arising under the food and drugs act. | 56.00 | Do. |
| Do. | do. | Philadelphia, Pa. (June 10-13, 1913). | To attend preliminary conference in case arising under the food and drugs act. | 23.30 | Do. |
| Harrison, C. W. | Assistant chemist. | Boston, Mass. (June 7-30, 1913). | To assist in analysis of miscellaneous samples in connection with the enforcement of the food and drugs act. | 73.75 | Do. |
| Hartmann, B. G. | Fermentation chemist. | Points in the States of New York and Ohio (Sept. 27-Nov. 9, 1912). | To study production of grape juice in a commercial way in connection with the enforcement of the food and drugs act. | 127.62 | Do. |
| Do. | do. | Points in the State of New York and at Sandusky, Ohio. (Feb. 9-21, 1913). | do. | 83.71 | Do. |
| Do. | do. | Points in the State of New York (June 24-27, 1913). | To collect and examine samples of fruit juices in connection with the enforcement of the food and drugs act. | 45.86 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF CHEMISTRY—Continued.

| Name. | Title. | Destination. | Business or work | Total expense | Appropriation. |
|-----------------------|---|--|---|---------------|--|
| Haywood, J. K..... | Chief of the miscellaneous division. | Points in the States of Michigan, Wisconsin, Minnesota, Iowa, Missouri, Illinois, Indiana, Ohio, and New York (Nov. 2-14, 1912). | To study various operations in connection with the manufacture of cattle feeds in connection with the enforcement of the food and drugs act. | \$144.80 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | Richmond, Va. (Mar. 10-11, 1913)..... | To assist United States district attorney in taking certain depositions in connection with a case arising under the food and drugs act. | 10.70 | Do. |
| Do..... | do..... | Chicago, Ill. (May 21-25, 1913)..... | To attend meeting of executive committee of the Association of Feed Control Officials in the interest of the bureau work. | 66.30 | Do. |
| Hillyer, W. E..... | Scientific assistant..... | Boston, Mass. (Jan. 7-10, 1913)..... | To appear as witness in case arising under the food and drugs act. | 41.60 | Do. |
| Do..... | do..... | Buffalo, N. Y.; Ridgeway, St. Marys, Kaulmont, Kane, Sargent, Pa.; Kansas City, Mo. (Apr. 28-May 9, 1913). | To study the manufacture and preparation of food products in connection with the enforcement of the food and drugs act; also to appear at Kansas City as witness at trial of case arising under the food and drugs act. | 139.48 | Do. |
| Hoover, George W..... | Chief of the Washington drug-inspection laboratory. | Baltimore, Md. (Oct. 1, 1912)..... | To make inspections of imported food and drug products at appraisers' stores in connection with the enforcement of the food and drugs act. | 1.75 | Do. |
| Do..... | do..... | Chicago, Ill. (Oct. 28-Nov. 4, 1912)..... | To confer with the United States attorney relative to cases in connection with the enforcement of the food and drugs act. | 101.35 | Do. |
| Do..... | do..... | New York, Brooklyn, Buffalo, and Birmingham, N. Y. (Nov. 11-15, 1912). | To confer with the United States attorneys at those points relative to cases arising under the food and drugs act. | 58.88 | Do. |
| Do..... | do..... | Baltimore, Md. (Jan. 13, 1913)..... | To make inspections of imported food and drug products at appraisers' stores in connection with the enforcement of the food and drugs act. | 1.85 | Do. |
| Do..... | do..... | Cincinnati, Ohio; Memphis, Tenn.; New Orleans, La.; Birmingham, Ala.; Atlanta, Ga. (Feb. 6-19, 1913). | To collect samples and information in connection with the enforcement of the food and drugs act. | 143.75 | Do. |
| Do..... | do..... | Philadelphia, Pa., and New York, N. Y. (June 23-25, 1913). | To consult officials of the bureau regarding matters pertaining to the enforcement of the food and drugs act. | 14.50 | Do. |
| Houghton, H. W..... | Assistant chemist..... | Wichita, Kans., and necessary travel within and throughout the State of Kansas (July 1-Oct. 13, 1912). | To assist in an investigation of dried and frozen eggs in connection with the enforcement of the food and drugs act. | 274.95 | Do. |

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| Do. | Do. | Do. | To assist in an investigation of the handling, preparation, and packing of sardines in connection with the enforcement of the food and drugs act. | 130.88 | Do. |
| Howard, B. J. | Chief of the micro-chemical laboratory. | Do. | To investigate the manufacture of certain food products in connection with the enforcement of the food and drugs act. | 916.95 | Do. |
| Do. | do. | Do. | To appear as witness in case arising under the do. | 63.25 | Do. |
| Do. | do. | Do. | do. | 58.00 | Do. |
| Do. | do. | Do. | To investigate certain food products, with reference to alleged decomposition, in connection with the enforcement of the food and drugs act. | 13.00 | Do. |
| Do. | do. | Do. | do. | 19.60 | Do. |
| Hudson, C. S. | Chief of the physical chemistry laboratory. | Do. | To study the commercial manufacture of candies and chocolate coatings, in connection with the enforcement of the food and drugs act. | 74.49 | Do. |
| Ingle, M. J. | Assistant chemist. | Do. | To assist in the analysis of wines, in connection with the enforcement of the food and drugs act. | 35.05 | Do. |
| Do. | do. | Do. | To appear as witness in case arising under the food and drugs act. | 53.95 | Do. |
| Jacobs, B. R. | do. | Do. | To attend a joint meeting of committees from the Millers' Association, the Biscuit and Cracker Manufacturers' Associations, and the National Association of Master Bakers, confer regarding standardization of the various grades of flour, in connection with the enforcement of the food and drugs act. | 62.85 | Do. |
| Do. | do. | Do. | To appear as witness in case arising under the food and drugs act. | 40.85 | Do. |
| Do. | do. | Do. | To make experiments to determine changes in weight in shipping food products in connection with the enforcement of the food and drugs act. | 28.00 | Do. |
| Do. | do. | Do. | To attend National Millers' Convention and Exposition, to discuss matters of interest and value to the bureau pertaining to the enforcement of the food and drugs act. | 143.00 | Do. |
| | | | To perform inspection work in connection with the net weight amendment to the food and drugs act. | | |
| | | | To attend a convention of the National Association of Macaroni and Noodle Manufacturers, to obtain information of value to the bureau in connection with the enforcement of the food and drugs act. | | |
| Johnson, M. J. | Clerk. | Do. | To report hearings in connection with the enforcement of the food and drugs act. | 33.95 | Do. |
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| | | | Eastport, Me., and points in the New England States (June 5-30, 1913). | | |
| | | | Points in Italy, Sicily, and Greece (July 10-Nov. 18, 1912). | | |
| | | | St. Louis, Mo. (Jan. 8-12, 1913). | | |
| | | | Atlanta, Ga. (Mar. 29-Apr. 2, 1913). | | |
| | | | Philadelphia, Pa. (Apr. 22-23, 1913). | | |
| | | | Salem, N. J. (June 3-6, 1913). | | |
| | | | Points in the States of New Jersey and New York (Aug. 12-25, 1912). | | |
| | | | Charlottesville, Va. (July 1-31, 1912). | | |
| | | | Athens, Ga. (May 25-29, 1913). | | |
| | | | Louisville Ky. (Sept. 2-7, 1912). | | |
| | | | Boston, Mass. (Jan. 7-10, 1913). | | |
| | | | New York, N. Y. (Jan. 27-Feb. 1, 1913). | | |
| | | | Kansas City, Mo. | | |
| | | | Thence to Minneapolis, Minn. | | |
| | | | Thence to Milwaukee, Wis. (June 1-13, 1913). | | |
| | | | New York, N. Y. (June 8-12, 1913). | | |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF CHEMISTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------|--|--|---|----------------|---|
| Kebler, L. F. | Chief of the Division of Drugs. | New York, N. Y. (Oct. 17-21, 1912)..... | To collect information relative to the manufacture of drug products, in connection with the enforcement of the food and drugs act. | \$23.90 | Enforcement of the food and drugs act, 1913. |
| Do. | do. | New York, N. Y., and Philadelphia, Pa. (Oct. 27-Nov. 9, 1912)..... | do. | 86.90 | Do. |
| Do. | do. | Detroit, Mich. (Nov. 14-23, 1912)..... | do. | 72.71 | Do. |
| Do. | do. | St. Louis, Mo. (Jan. 21-26, 1913)..... | To appear as witness in case arising under the food and drugs act. | 76.35 | Do. |
| Do. | do. | New York, N. Y., and Philadelphia, Pa. (Feb. 4-8, 1913)..... | To collect information relative to the manufacture of drug products, in connection with the enforcement of the food and drugs act. | 38.32 | Do. |
| Do. | do. | Baltimore, Md. (Mar. 11, 1913)..... | To perform supervisory work in connection with the enforcement of food and drugs act. | 2.15 | Do. |
| Do. | do. | Milwaukee, Wis.; Chicago, Ill., and Detroit, Mich. (Mar. 15-Apr. 2, 1913)..... | To attend the meetings of the Pharmaceutical Division of the American Chemical Society, at Chicago and Milwaukee, to secure information of value to the bureau in connection with the enforcement of the food and drugs act; to look into the progress of the drug inspection work in the Chicago laboratory. | 103.00 | Do. |
| Do. | do. | Baltimore, Md. (Apr. 5, 1913)..... | To perform supervisory work in connection with the enforcement of the food and drugs act. | 2.90 | Do. |
| Keister, J. T. | Assistant chemist. | Baltimore, Md. (Jan. 14, 1913)..... | To appear as witness in case arising under the food and drugs act. | 2.40 | Do. |
| Do. | do. | Savannah, Ga. (Feb. 26-Mar. 1, 1913)..... | do. | 52.65 | Do. |
| Do. | do. | To points in the States of Pennsylvania, West Virginia, Virginia, and Ohio (June 8-30, 1913); Milwaukee, Wis.; Holland and Detroit, Mich. (Jan. 5-29, 1913)..... | To conduct a chemical examination of the milk supply in that territory, in connection with the enforcement of the food and drugs act. | 114.35 | Do. |
| Kent, R. C. | do. | Chicago, Ill.; Milwaukee, Wis.; Holland and Detroit, Mich. (Jan. 5-29, 1913)..... | To study the manufacture of gelatine, in connection with the enforcement of the food and drugs act. | 119.38 | Do. |
| Kirby, W. E. | do. | New York, N. Y. (June 21, 1913)..... | For permanent duty as assistant at the New York laboratory of the bureau. | 7.90 | Do. |
| LeClere, J. A. | Chief of the vegetable physiological laboratory. | New York, N. Y. (Sept. 4-13, 1912)..... | To attend the Eighth International Congress of Applied Chemistry to secure information of value to the bureau in connection with the enforcement of the food and drugs act. | 50.65 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do. | Chief of the plant chemistry laboratory. | Kansas City, Mo.; Madison, Wis.; Minneapolis and St. Paul, Minn.; Milwaukee, Wis.; and Manhattan, Kans. (June 1-13, 1913)..... | To attend the National Millers' Convention and Exposition at Kansas City to secure information of value to the bureau in connection with the enforcement of the food and drugs act. | 145.54 | Enforcement of the food and drugs act, 1913 |

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|------------------|---|--|--|--------|-----|
| Le Febvre, C. C. | Pharmaceutical chemist. | Baltimore, Md. (Jan. 13-28, 1913). | drugs act; to consult with the officials of the Government regarding the work at Madison, Wis.; Minneapolis and St. Paul, Minn.; to attend the Convention of the National Association of Macaroni and Noodle Manufacturers at Milwaukee to secure information of value to the bureau in connection with the enforcement of the food and drugs act; to inspect a new experimental flour mill and various experimental wheat plots at Manhattan, Kans. | 7. 80 | Do. |
| Do. | do. | Points in the States of Maryland, Virginia, and North Carolina (Feb. 1-28, 1913). | To collect samples for analysis, in connection with the enforcement of the food and drugs act. | 21. 40 | Do. |
| Do. | do. | Points in the States of Maryland, Virginia, and North Carolina (Mar. 1-Apr. 30, 1913). | To examine into sanitary conditions of factories and to collect samples for analysis, in connection with the enforcement of the food and drugs act. | 9. 05 | Do. |
| Mason, M. L. | Bacteriological chemist. | Philadelphia, Pa., and Brooklyn, N. Y. (Dec. 17-18, 1912). | To appear as witness in case arising under the food and drugs act. | 18. 80 | Do. |
| Do. | do. | Philadelphia, Pa. (June 9-13, 1913). | To attend preliminary conference and trial of case arising under the food and drugs act. | 20. 90 | Do. |
| Merrill, E. C. | Assistant chemist. | Baltimore, Md. (Mar. 27, 1913). | To make inspections of imported food and drug products, at appraiser's stores, in connection with the enforcement of the food and drugs act. | 2. 25 | Do. |
| Do. | do. | Baltimore, Md. (Apr. 8, 1913). | do. | 2. 40 | Do. |
| Do. | do. | Baltimore, Md. (Apr. 24, 1913). | do. | 2. 25 | Do. |
| Do. | do. | Baltimore, Md. (May 9, 1913). | do. | 2. 25 | Do. |
| Do. | do. | Baltimore, Md. (May 16, 1913). | do. | 2. 00 | Do. |
| Do. | do. | Baltimore, Md. (June 1, 1913). | do. | 2. 15 | Do. |
| Do. | do. | Baltimore, Md. (June 3, 1913). | do. | 1. 85 | Do. |
| Do. | do. | Baltimore, Md. (June 14, 1913). | do. | 1. 80 | Do. |
| Do. | do. | Baltimore, Md. (June 24, 1913). | do. | 1. 85 | Do. |
| Miner, A. L. | Laboratory helper. | Widewater, Va. (Oct. 24, 1912). | To collect data in an investigation of the pollution of the oysters of the Potomac River, in connection with the enforcement of the food and drugs act. | 2. 65 | Do. |
| Mitchell, A. S. | Chief of the St. Paul laboratory and member of the board of food and drug inspection. | Winona, Minn. (May 17-24, 1913). | To appear as witness in case arising under the food and drugs act. | 82. 82 | Do. |
| Do. | do. | Baltimore, Md. (Jan. 14, 1913). | do. | 2. 85 | Do. |
| Do. | do. | New York, N. Y. (June 8-11, 1913). | To conduct hearings and make an investigation regarding the net-weight amendment to the food and drugs act. | 32. 30 | Do. |
| Mitchell, L. C. | Assistant chemist. | Baltimore, Md. (Oct. 25, 1912). | To study the processes of preparation of oysters for market in connection with the enforcement of the food and drugs act. | 3. 05 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF CHEMISTRY—Continued.

| Name | Title | Destination. | Business or work. | Total expense. | Appropriation. |
|-----------------|---|---|--|----------------|---|
| Mitchell, L. C. | Assistant chemist | Newbern, N. C. (Oct. 27-31, 1912). | To appear as witness in case arising under the food and drugs act. | \$32.15 | Enforcement of the food and drugs act, 1913. |
| Do. | do. | Chicago, Ill. (Feb. 12-16, 1913). | To appear as witness in case arising under the food and drugs act. | 64.10 | Do. |
| Do. | do. | Baltimore, Md. (Feb. 24-25, 1913). | To study the canning of oysters, in connection with the enforcement of the food and drugs act. | 5.90 | Do. |
| Do. | do. | Baltimore, Md. (Mar. 18, 1913). | To investigate drying machinery and preserving and drying processes adaptable to the drying of potatoes for food and industrial purposes; to investigate the use and manufacture of envelope gums at Chicago and Dayton, in cooperation with the Post office Department. | 2.95 | Do. |
| Moore, C. C. | do. | Menomonee Falls, Wis.; Buffalo, Honcovo Falls, and New York, N. Y.; Chicago, Ill.; Lansdale, Pa.; and Dayton, Ohio (Oct. 22-Nov. 22, 1912). | To investigate drying machinery and preserving and drying processes adaptable to the drying of potatoes for food and industrial purposes. | 240.58 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do. | do. | Chicago, Ill., and Chippewa Falls, Wis. (Jan. 20-25, 1913). | To investigate drying machinery and preserving and drying processes adaptable to the drying of potatoes for food and industrial purposes. | 70.50 | Do. |
| Morgan, F. P. | Medicochemical analyst. | Boston and Worcester, Mass.; Hartford, Conn.; and New York, N. Y. (Feb. 6-19, 1913). | To collect information and samples, in connection with the enforcement of the food and drugs act. | 88.00 | Enforcement of the food and drugs act, 1913. |
| Murray, A. G. | Assistant chemist. | Baltimore, Md. (Feb. 13, 1913). | To study the manufacture and preparation of food products, in connection with the enforcement of the food and drugs act; also to appear at Kansas City as witness at trial of case arising under the food and drugs act. | 2.10 | Do. |
| Do. | do. | St. Marys, Sargeant, Daloga, Kane, Pa., and Kansas City, Mo. (Apr. 29-May 7, 1913). | To appear as witness in case arising under the food and drugs act. | 106.75 | Do. |
| Nelson, E. K. | Chief of the essential oils laboratory. | St. Louis, Mo. (Jan. 21-25, 1913). | To perform inspection and other work, to consult manufacturers, and to study methods of manufacture, etc., of various preparations, in connection with the enforcement of the food and drugs act. | 68.50 | Do. |
| Patrick, G. E. | Chief of the dairy laboratory. | Points in the State of New York (Nov. 26-Dec. 1, 1912). | To appear as witness in cases arising under the food and drugs act. | 44.75 | Do. |
| Do. | do. | Baltimore, Md. (Jan. 14, 1913). | To secure witnesses at Richmond, Va., to testify in case arising under the food and drugs act; also to appear as a witness at trial of the case at Norfolk, Va. | 2.35 | Do. |
| Do. | do. | Richmond, thence to Norfolk, Va. (Jan. 16-19, 1913). | | 21.10 | Do. |

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| Patten, H. E..... | Assistant chemist..... | Baltimore, Md. (Mar. 31-Apr. 2, 1913)..... | To study commercial methods of carbonating wines, beers, etc., in connection with the enforcement of the food and drugs act. | 17.55 | Do. |
| Read (Miss), E. A..... | Microanalyst..... | Baltimore, Md. (July 16-21, 1912)..... | To inspect berries, in connection with the enforcement of the food and drugs act. | 11.45 | Do. |
| Do..... | do..... | Philadelphia, Pa. (Sept. 15-19, 1912)..... | To testify before grand jury concerning case arising under the food and drugs act. | 22.50 | Do. |
| Do..... | do..... | Houston, Tex. and New Orleans, La. (Oct. 11-21, 1912). | To appear as witness at trial of case arising under the food and drugs act at Houston, Tex.; to study methods used in the New Orleans laboratory, in connection with the enforcement of the food and drugs act. | 124.05 | Do. |
| Do..... | do..... | Kansas City, Mo., and St. Louis, Mo. (Nov. 9-14, 1912). | To appear as witness in cases arising under the food and drugs act. | 88.25 | Do. |
| Do..... | do..... | Philadelphia, Pa. (June 10-13, 1913)..... | To attend preliminary conference in case arising under the food and drugs act. | 23.25 | Do. |
| Reed, E. O..... | Assistant chemist..... | Dayton, Ohio (Sept. 28-Oct. 16, 1912)..... | To assist in the analytical work at bureau laboratory at that point. | 99.25 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Riley, J. G..... | do..... | Chicago, Ill.; Milwaukee, Wis.; St. Louis, Mo. (Nov. 11-Dec. 5, 1912). | To study the manufacture of beer, in connection with the enforcement of the food and drugs act. | 180.30 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | Baltimore, Md.; Philadelphia, Pa., and New York, N. Y. (Mar. 31-Apr. 18, 1913). | do..... | 111.50 | Do. |
| Rogers, J. S..... | do..... | Hagerstown, Md. (May 23-25, 1913)..... | To oversee the manufacture of some special shoes, to be used in experiments by the leather and paper laboratory of this bureau on the durability of sole leather. | 16.16 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do..... | do..... | Hagerstown, Md. (June 3-7, 1913)..... | do..... | 26.16 | Do. |
| Do..... | do..... | Hagerstown, Md. (June 20-21, 1913)..... | do..... | 12.16 | Do. |
| St. John, B. H..... | do..... | Hagerstown, Md. (June 30, 1913)..... | do..... | 8.16 | Do. |
| Do..... | do..... | New York, N. Y. (Jan. 28-June 15, 1913)..... | To perform work in the New York laboratory to acquire knowledge of the methods and procedure relative to the importation of commodities under the food and drugs act. | 358.60 | Enforcement of the food and drugs act, 1913. |
| Salant, William..... | Chief of the pharmacological laboratory. | Necessary travel between Washington, D. C., and Arlington Farm, Va. (May 1-31, 1913). | To care for animals belonging to the Bureau of Chemistry which were sent to the Arlington Farm. | 5.00 | Do. |
| Do..... | do..... | Necessary travel between Washington, D. C., and Arlington Farm, Va. (June 13-30, 1913). | do..... | 5.00 | Do. |
| Sale, J. W..... | Assistant chemist..... | Points in the States of Maryland and Virginia (Sept. 18-21, 1912). | To investigate the condition of the water of the Chesapeake Bay and its tributaries, in connection with the enforcement of the food and drugs act. | 15.65 | Do. |
| Do..... | do..... | Maurice River, N. J. (Nov. 19-21, 1912)..... | To investigate the character of water from which oysters are taken and to perform other work in connection with the enforcement of the food and drugs act. | 19.16 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF CHEMISTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------------------|------------------------|--|---|----------------|---|
| Sale, J. W..... | Assistant chemist..... | Points in the States of Maryland and Virginia (Oct. 24-26, 1912). | To investigate the cause of pollution of oysters in the Potomac River, in connection with the enforcement of the food and drugs act. | \$10.41 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | Annapolis, Md. (Dec. 12, 13, 1912)..... | To investigate the character of the water from which oysters are taken and to perform other work in connection with the enforcement of the foods and drugs act. | 5.50 | Do. |
| Sammet, C. F..... | do..... | Pittsfield and Dalton, Mass.; Brooklyn and New York, N. Y. (Nov. 26-Dec. 6, 1912). | To investigate sizing and drying of paper, and to inspect equipment used in experimental tanning processes. | 62.53 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Schreiber, J. H. A..... | do..... | Points in the States of New York, Ohio, and Michigan (Aug. 15-Sept. 17, 1912). | To investigate factories canning vegetables and fruits in connection with the enforcement of the food and drugs act. | 157.62 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | Elmira, Norwalk, Cincinnati, and Hamilton, Ohio; Greenwood, Martinsville, and Vincennes, Ind.; Sycamore, Ill.; Durand, Saginaw, and Lansing, Mich. (Dec. 3-22, 1912). | To conduct investigations relative to composition of foods, in connection with the enforcement of the food and drugs act. | 142.96 | Do. |
| Do..... | do..... | Pittsburgh, Pa.; Baltimore, Md.; Philadelphia, Hatfield, Pa.; New York City; Boston, Newburyport, Mass.; Portland, Me.; Chicago, Gibson, Bloomington, Joliet, and Aurora, Ill.; Grand Rapids, Coopersville, Muskegon, Hart, Pentwater, Ludington, Saginaw, Bay City, and Lansing, Mich. (Mar. 31-May 8, 1913). | do..... | 274.38 | Do. |
| Sherman, Helen..... | Microanalyst..... | Chicago, Ill. (May 16-22, 1913)..... | To appear as witness in case arising under the food and drugs act. | 70.45 | Do. |
| Sherwood, Sidney..... | Assistant chemist..... | Points in the State of Kentucky (Oct. 8-29, 1912). | To study chemical variations in sorghum sirup manufactured by various methods. | 99.66 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do..... | do..... | Points in the States of Ohio, New York, and Pennsylvania (Mar. 11-Apr. 8, 1913). | To assist in the maple-sugar investigations conducted in connection with the manufacture of sirup and sugar on a small scale from fresh and sour sap, so as to study the difference in composition of the finished product, and the effect of different metals on the composition of the sirup. | 96.84 | Do. |

| Skinner, W. W. | Chief of the water laboratory. | Norfolk, Va. (Sept. 18-22, 1912). | To investigate the condition of the water of Chesapeake Bay and its tributaries, in connection with the enforcement of the food and drugs act. | 16. 65 | Enforcement of the food and drug act, 1913. |
|--------------------|--|--|---|---------|---|
| Do. | do. | Norfolk, Va. (Oct. 2-4, 1912). | do. | 9. 15 | Do. |
| Do. | do. | Boston, Mass., and Portland, Me. (Oct. 22-26, 1912). | To collect samples of water, in connection with the enforcement of the food and drugs act. | 58. 19 | Do. |
| Do. | do. | Richmond, Va.; Knoxville, Tenn.; Philadelphia, Pa.; and New York, N. Y. (Mar. 10-19, 1913). | To assist the U. S. district attorney in taking depositions in cases arising under the food and drugs act. | 60. 65 | Do. |
| Do. | do. | Richmond, Va. (May 8-9, 1913). | To inspect water samples and make investigations incident to the work of the commission appointed for investigating the character of water of the Potomac River and Chesapeake Bay, in connection with the enforcement of the food and drugs act. | 13. 20 | Do. |
| Do. | do. | Charleston, Malden, Mason City, Parkersburg, Moundsville, and Morgantown, W. Va.; and Middlefort, Ohio (May 25-June 3, 1913). | To investigate the production, character, grading, and methods of refining of salt, in connection with the enforcement of the food and drugs act. | 66. 97 | Do. |
| Smithner, F. W. | Assistant chief of contracts laboratory. | Atlantic City, N. J. (June 22-26, 1913). | To attend a meeting of the committee on protective coatings and a general meeting of the American Society for Testing Materials, for the purpose of obtaining information of value in the bureau's work of testing contract material. | 26. 85 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Speh, C. F. | do. | Wilmington, N. C. (Nov. 3, 1912-June 4, 1913). | To assist in the study of various chemical processes for the distillation of wood and turpentine. | 445. 20 | Do. |
| Stephenson, C. H. | Scientific assistant. | Pittsburgh, Pa.; Terre Haute and Paoli, Ind.; Cincinnati, Ohio; Buffalo, Canajoharie, and Rochester, N. Y. (Aug. 19-Oct. 14, 1912). | To conduct investigations regarding the manufacture of certain food products, in connection with the enforcement of the food and drugs acts. | 199. 20 | Enforcement of the food and drugs act, 1913. |
| Do. | do. | Trenton, N. J. (Oct. 16-17, 1912). | To appear as witness in case arising under the food and drugs act. | 14. 80 | Do. |
| Do. | do. | Cleveland and Cincinnati, Ohio; Indianapolis and Vincennes, Ind.; Chicago, Ill.; Saginaw, Mich., and Buffalo, N. Y. (Dec. 3, 1912-Jan. 2, 1913). | To conduct investigations regarding the manufacture of certain food products, in connection with the enforcement of the food and drugs act. | 151. 37 | Do. |
| Do. | do. | Pittsburgh, Pa.; Baltimore, Md.; Philadelphia and Hatfield, Pa.; New York, N. Y.; Boston, Newburyport, Mass., and Portland, Me. (Mar. 31-Apr. 22, 1913). | do. | 160. 77 | Do. |
| Stiles, G. W., Jr. | Bacteriological chemist. | Wichita and Geuda Springs, Kans. (July 1-Sept. 7, 1912). | To perform bacteriological inspection work, in connection with the enforcement of the food and drugs act. | 132. 83 | Do. |
| Do. | do. | Norfolk, Va. (Sept. 18-22, 1912). | do. | 17. 45 | Do. |
| Do. | do. | St. Louis, Mo., and Wichita, Kans. (Sept. 24-30, 1912). | do. | 58. 67 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF CHEMISTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------------|----------------------------------|---|--|----------------|---|
| Stiles, G. W., jr..... | Bacteriological chemist. | Cushing, Okla.; Fort Worth, Houston, Corpus Christi, Galveston, and Dallas, Tex.; St. Louis, Mo.; Cincinnati, Ohio, and Horton, W. Va. (Oct. 1-18, 1912). | To perform bacteriological inspection work, in connection with the enforcement of the food and drugs act. | \$158.40 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | Maurice River, N. J. (Oct. 22-23, 1912). | do..... | 15.06 | Do. |
| Do..... | do..... | Popes Creek, Md. (Oct. 24-26, 1912). | do..... | 10.41 | Do. |
| Do..... | do..... | New York, N. Y. (Oct. 29-Nov. 14, 1912). | do..... | 121.24 | Do. |
| Do..... | do..... | Maurice River, N. J. (Nov. 19-21, 1912). | do..... | 20.01 | Do. |
| Do..... | do..... | New Haven, Conn.; Boston, Mass., and Providence, R. I. (Nov. 26-Dec. 1, 1912). | do..... | 52.20 | Do. |
| Do..... | do..... | Leonardtown, Md. (Dec. 2-4, 1912). | do..... | 12.40 | Do. |
| Do..... | do..... | Annapolis, Md. (Dec. 12, 1912). | do..... | 5.30 | Do. |
| Do..... | do..... | New York, N. Y. (Dec. 17-18, 1912). | do..... | 19.45 | Do. |
| Do..... | do..... | Excelsior Springs, Md.; Kansas City, Mo.; Tulsa, Cushing, Okla.; and Denver, Colo. (Dec. 19, 1912-Jan. 16, 1913). | do..... | 216.06 | Do. |
| Do..... | do..... | Springfield, Ill., and Detroit, Mich. (Jan. 19-31, 1913). | do..... | 86.77 | Do. |
| Do..... | do..... | Chicago, Ill. (Mar. 6-9, 1913). | do..... | 52.10 | Do. |
| Do..... | do..... | Shawnee and Cushing, Okla., and Denver, Colo. (Mar. 29-Apr. 30, 1913). | do..... | 207.15 | Do. |
| Straughn, M. N..... | Scientific assistant. | Points in the States of Maryland, Indiana, Ohio, Illinois, and Iowa (Sept. 2-18, 1912). | To perform bacteriological inspection work, in connection with the enforcement of the food and drugs act, and to assist in the work of Denver laboratory under permanent assignment. | 162.94 | Do. |
| Do..... | do..... | Points in the States of Vermont and New York (Apr. 1-10, 1913). | To investigate and study methods of canning sweet corn, in connection with the enforcement of the food and drugs act. | 79.26 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do..... | do..... | Rochester, N. Y.; Boston, Mass.; New York, N. Y.; Philadelphia, Pa. (June 4-19, 1913). | To study the manufacture of maple sirup and sugar, and to study the chemical changes therein. | 101.43 | Enforcement of the food and drugs act, 1913 |
| Do..... | do..... | Points in the States of Michigan, Illinois, Indiana, Ohio, and Pennsylvania (June 21-30, 1913). | To investigate the manufacture of fruit sirups, jams, jellies, etc., in connection with the enforcement of the food and drugs act. | 41.00 | Do. |
| Sullivan, A. L..... | Food and drug inspection chemist | Boston, Mass. (July 30-Aug. 3, 1912). | To appear as witness in case arising under the food and drugs act. | 35.90 | Do. |
| Taber, W. C..... | Assistant chemist | Atlanta, Ga. (Mar. 29-Apr. 2, 1913). | do..... | 57.00 | Do. |

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|-------------------------|--|---|---|--------|---|
| Tolman, L. M..... | Chief of the food inspection laboratory. | Charlotteville, Va.; New York, Poughkeepsie, N. Y. (Aug. 28-Oct. 2, 1912). | To perform supervisory work in connection with the enforcement of the food and drugs act. | 69.33 | Do. |
| Do..... | do..... | Buffalo, Poughkeepsie, and Westfield, N. Y. (Oct. 10-19, 1912). | do..... | 71.73 | Do. |
| Do..... | do..... | Chicago, Ill., Kansas City and St. Louis, Mo. (Oct. 27-Nov. 4, 1912). | do..... | 109.35 | Do. |
| Do..... | do..... | New York, Binghamton, Buffalo, N. Y.; Detroit, Mich.; Toledo and Cincinnati, Ohio; Louisville, Ky. (Nov. 7-11, 1912). | do..... | 129.72 | Do. |
| Do..... | do..... | Philadelphia, Pa.; New York, N. Y.; Boston, Mass. (Dec. 15-20, 1912). | do..... | 52.10 | Do. |
| Do..... | do..... | Baltimore, Md. (Dec. 13, 1912). | do..... | 1.90 | Do. |
| Do..... | do..... | New York, N. Y.; Mobile, Ala. (June 8-21, 1913). | To perform supervisory work in connection with the enforcement of the food and drugs act; to Mobile, Ala.; to attend a convention of dairy and food commissioners at Mobile, Ala., as a representative of the department, for the purpose of developing collaboration between the States and the Federal Government in food and drugs work. | 114.51 | Do. |
| Truthardt, E. L. P..... | Assistant chemist..... | Points in the State of New York (Aug. 14-Sept. 25, 1912). | To inspect factories canning fruit and vegetables, in connection with the enforcement of the food and drugs act. | 79.28 | Do. |
| Tucker, J. E..... | Candy maker..... | Boston, Mass. (Jan. 8-10, 1913). | To appear as witness in case arising under the food and drugs act. | 33.15 | Do. |
| Veitch, F. P..... | Chief of leather and paper laboratory. | Wilmington, N. C. (Aug. 15-17, 1912). | To arrange for cooperative work in the production of wood turpentine. | 27.20 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do..... | do..... | New York, N. Y. (Sept. 8-13, 1912). | To attend a meeting of the council of American Leather Chemists' Association. | 15.00 | Do. |
| Do..... | do..... | Points in the State of Pennsylvania (Jan. 7-11, 1913). | To inspect and secure information relative to apparatus for making and refining wood alcohol, acetate of lime, and wood tar, to be used in connection with experiments in the leather and paper laboratory. | 38.33 | Do. |
| Do..... | do..... | Points in the States of North Carolina, South Carolina, Georgia, and Florida (Feb. 1-Mar. 25, 1913). | To conduct study of the chemical processes in distillation of wood and turpentine rosin oils, methyl alcohol, acetate of lime, etc. | 89.78 | Do. |
| Do..... | do..... | New York, N. Y. (Mar. 28-29, 1913). | To secure information on wood distillation, at a meeting of the New York section of the Society of Chemical Industry. | 14.00 | Do. |
| Do..... | do..... | St. Louis and Kansas City, Mo. (May 3-8, 1913). | To appear as witness in cases arising under the food and drugs act. | 89.85 | Enforcement of the food and drugs act, 1913. |
| Do..... | do..... | Hagerstown, Md. (May 22-24, 1913). | To oversee the manufacture of special shoes, to be used in experiments on the durability of sole leather. | 20.91 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do..... | do..... | Atlantic City, N. J. (June 24-27, 1913). | To attend the annual meeting of the American Society for Testing Materials, to obtain information of value in the bureau's work of testing contract materials. | 24.50 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF CHEMISTRY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------|---|--|---|----------------|---|
| Walker, Percy H. | Chief of contracts laboratory. | Travel between Washington, D. C., and Arlington farm, Va. (July 1-Sept. 30, 1912). | To examine and inspect certain paintt ests, conducted by the Bureau of Chemistry. | \$5.00 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Do. | do. | New York, N. Y. (Oct. 1-3, 1912). | To attend a meeting of a committee of the American Chemical Society on rubber analysis to obtain information of value in the bureau's work of testing contract materials. | 18.60 | Do. |
| Do. | do. | Points in the States of Maryland, Pennsylvania, New Jersey, and Delaware (Feb. 16-20, 1913). | To study the manufacture of inks, typewriter ribbons, and similar materials; also to confer with certain manufacturers of platinum apparatus in order to study and devise tests for such materials purchased by the Government. | 44.11 | Do. |
| Do. | do. | Points in Illinois and Michigan (Mar. 23-30, 1913). | To confer with certain paint and varnish manufacturers; to study methods of testing paints and varnishes purchased by the Government under contract and otherwise; also to stop at Milwaukee, Wis., to attend a meeting of the American Chemical Society to obtain information of value in the bureau's work of testing contract materials. | 85.75 | Do. |
| Do. | do. | Atlantic City, N. J. (June 22-26, 1913). | To attend a meeting of a committee on protective coatings and to attend a meeting of the American Society for Testing Materials to obtain information of value in the bureau's work of testing contract materials. | 26.95 | Do. |
| Weber, F. C. | Chief of animal physiological laboratory. | Trenton, N. J. (Oct. 7-8, 1912). | To appear as witness in case arising under the food and drugs act. | 12.00 | Enforcement of the food and drugs act, 1913. |
| Do. | do. | Bethesda, Md. (Nov. 30-Dec. 28, 1912). | To conduct experiments in animal physiological chemistry in connection with the enforcement of the food and drugs act. | 3.85 | Do. |
| Do. | do. | Boston, Mass.; Portland, Bangor, Orono, Lubec, Eastport, Me. (May 7-June 13, 1913). | To conduct an investigation of the handling, preparation, and packing of sardines, in connection with the enforcement of the food and drugs act. | 218.01 | Do. |
| White, James A. | Clerk. | Baltimore, Md. (Oct. 2-4, 1912). | To assist and keep records in the collection of water samples on Chesapeake Bay. | 13.65 | Do. |
| Wilcox, B. B. | Assistant chemist. | Points in the States of Maryland and Virginia (Jan. 13-25, 1913). | To visit ports of entry and a number of non-laboratory ports of the inspection district assigned to the food inspection laboratory in order to make inspections of imported food | 26.15 | Do. |

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|-----------------------|--|---|---|----------|---|
| Do..... | do..... | Albany, N. Y. (Feb. 10-14, 1913)..... | and drug products at appraisers stores, and to perform other work necessary in connection with the enforcement of the food and drugs act. | 27.90 | Do. |
| Wilson, C. P..... | do..... | Los Angeles, Cal., travel within and throughout the State of California (July 1, 1912-June 30, 1913). | To appear as witness in cases arising under the food and drugs act. | 1,146.48 | General expenses, Bureau of Chemistry, 1913 (laboratory, miscellaneous expenses). |
| Yoder, P. A..... | do..... | Atlanta, Ga. (Nov. 10-14, 1912)..... | To investigate the possibility of utilizing citrus by-products of California. | 61.10 | Do. |
| BUREAU OF SOILS. | | | | | |
| Bryan, Harry..... | Scientist in soil laboratory investigations. | Baltimore, Md. (Aug. 30, 1912)..... | To investigate the methods used in certain cement and chemical manufacturing plants, with a view to their adaptation for the extraction of potash from feldspar. | \$3.60 | General expenses, Bureau of Soils, 1913 (investigations of fertilizer resources). |
| Do..... | do..... | Security, Md. (Sept. 2-3, 1912)..... | To investigate the methods used at a cement plant located at that place, with a view of their adaptation for extracting potash from feldspar. | 5.35 | Do. |
| Cameron, Frank K..... | do..... | Baltimore, Md. (Aug. 30, 1912)..... | To investigate the methods used in certain cement and chemical manufacturing plants, with a view to their adaptation for the extraction of potash from feldspar. | 3.60 | Do. |
| Do..... | do..... | New York, N. Y. (Sept. 5-13, 1912)..... | To attend sessions of the Eighth National Congress of Applied Chemistry, as representative of the Bureau of Soils designated by the President, and to serve as president of the section on agricultural chemistry. | 75.00 | General expenses, Bureau of Soils, 1913 (chemical investigations). |
| Do..... | do..... | New York, N. Y. (Oct. 8-9, 1912)..... | To consult officials of fertilizer companies regarding the proposed new methods of obtaining potash salts from silicate rocks and of making valuable low-grade phosphorites. | 19.55 | General expenses, Bureau of Soils, 1913 (investigations of fertilizer resources). |
| Do..... | do..... | New York, N. Y. (Feb. 6-8, 1913)..... | To deliver a lecture at the Columbia University and the Chemists' Club on the possible sources of potash in the United States. | 20.00 | Do. |
| Do..... | do..... | Various points in the States of New York, New Jersey, Pennsylvania (Feb. 24-27, 1913). | To investigate the methods of utilization of feldspar as a source of potash and the fixation of atmospheric nitrogen. | 37.86 | Do. |
| Do..... | do..... | Various points in the States of California, Nevada, Oregon, Washington, Utah, Colorado (Mar. 17-Apr. 24, 1913). | To investigate the utilization of the giant kelps of the Pacific coast as a source of potash for commercial fertilizers; to investigate the utilization of fish scrap on the Pacific coast as a fertilizer; and to investigate the utilization of potash, nitrates, and other by-products of desert basins. | 441.65 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF SOILS—Continued.

| Name | Title | Destination | Business or work | Total expense. | Appropriation. |
|-------------------------|--|--|---|----------------|---|
| Cullen, John A..... | Analyst..... | Reno, Nev. (Oct. 15-21, 1912)..... | To analyze potash salts, nitrates, and phosphates, and to assist in other laboratory examinations and investigations incident to fertilizer work carried on in the cooperative laboratory at Reno, Nev. | \$100.58 | General expenses, Bureau of Soils, 1913 (investigations of fertilizer resources). |
| Davis, Royall O. E..... | Scientist in soil laboratory investigations. | Various points in the States of Virginia, Tennessee, Missouri, Mississippi, Alabama, Georgia, South Carolina, North Carolina (May 12-June 23, 1913). | To make field observations and investigations of the washing and eroding of soils in certain sections of the States named, with a view of developing and studying methods for their control. | 295.31 | General expenses, Bureau of Soils, 1913 (soil water investigations). |
| Ross, William H..... | do..... | Baltimore, Md. (Aug. 30, 1912)..... | To investigate the methods used in certain cement and chemical manufacturing plants, with a view to their adaptation for the extraction of potash from feldspar. | 3.60 | General expenses, Bureau of Soils, 1913 (investigations of fertilizer resources). |
| Do..... | do..... | Security, Md. (Sept. 2-3, 1912)..... | To investigate the methods used at a cement plant located at that place, with a view to their adaptation for extracting potash from feldspar. | 6.85 | Do. |
| Schreiner, Oswald..... | do..... | Various points in the State of Florida (Oct. 7-22, 1912). | To confer with the director and officers of the Florida Experiment Station in regard to soil conditions producing die-back in orange groves, and to make field examinations and observations of soil conditions. | 163.05 | General expenses, Bureau of Soils, 1913 (soil-fertility investigations). |
| Do..... | do..... | Philadelphia, Pa. (Apr. 18-20, 1913)..... | To deliver an address before the general meeting of the American Philosophical Society on the results of the fertility investigations carried on by the Bureau of Soils and to discuss with those present problems developed by this work. | 17.05 | Do. |
| Skinner, J. J..... | do..... | State College, Pa., and vicinity (Mar. 31-Apr. 4, 1913). | To supervise the fertilizing of the soil fertility experimental plots conducted in cooperation with the Pennsylvania Experiment Station, and to collect samples of soil for laboratory experimental work connected with those investigations. | 29.93 | Do. |
| Smith, J. G..... | do..... | Reno, Nev. (Aug. 13-Oct. 30, 1912)..... | To analyze potash salts, nitrates, and phosphates, and to assist in other laboratory examinations and investigations incident to fertilizer work carried on in the cooperative laboratory at Reno, Nev. | 201.59 | General expenses, Bureau of Soils, 1913 (investigations of fertilizer resources). |

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|-------------------|--|--|---|----------|-----|
| Turrentine, J. W. |do..... | Various points in the States of Connecticut, Massachusetts, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, North Carolina (Oct. 1-Nov. 13, 1912). | To visit and inspect plants for the manufacture and preparation of fish scrap and similar materials used as fertilizers; to consult officials of such plants, manufacturers of machinery for such plants, and other persons having pertinent knowledge or information to the end that a comprehensive investigation may be made and report prepared on the utilization of fish scrap as a national asset among the new products usable for fertilizers. | 247. 24 | Do. |
| Do. |do..... | Various points in the States of California, Oregon, Washington, Utah. Colorado, and the Territory of Alaska (Mar. 18-June 30, 1913; assignment continued in fiscal year 1914). | To investigate the possible use of fish scrap as a source of nitrogenous fertilizer, with a view especially to its utilization, together with the giant kelps of the Pacific coast and natural phosphorites to form a so-called complete fertilizer. | \$24. 05 | Do. |
| Waggaman, W. H. | Scientist in investigations of fertilizer resources. | Various points in the States of Virginia, North Carolina, South Carolina, Georgia, Florida (Sept. 23-Oct. 20, 1912). | To investigate the deposits of natural phosphate rock and other fertilizer resources located in certain sections of the States named. | 180. 57 | Do. |
| Do. |do..... | Points in the State of Virginia (May 5, 1913). | To investigate a reported deposit of phosphate rock which was the subject of a laboratory investigation. | 5. 50 | Do. |

BUREAU OF ENTOMOLOGY.

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|----------------|----------------------|---|--|----------|---|
| Burgess, A. F. | Agent and expert. | Philadelphia, Pa. (Nov. 5-6, 1912). | To confer with officials of the Customs Service in regard to importations of nursery stock and the inspection thereof, under the plant quarantine act. | \$13. 95 | Nursery-plant inspection and quarantine. |
| Do. |do..... | Melrose, Mass. (Nov. 9-10, 1912). | To return to official station after detail to Washington, D. C. | 16. 75 | Do. |
| Caudell, A. N. | Assistant. | Boston, Mass., stopping en route at New York, N. Y., and Philadelphia, Pa. (June 8-26, 1913). | To compare and study specimens of Orthoptera in the collections of the Academy of Natural Sciences, the American Museum of Natural History, and the Cambridge Museum of Comparative Zoology. | 79. 60 | General expenses, Bureau of Entomology, 1913 (miscellaneous insects). |
| Clifton, R. S. | Executive assistant. | New York, N. Y. (Sept. 9-11, 1912). | To confer with chief of the bureau concerning important official business, upon the latter's return from Europe and prior to his departure for New England. | 20. 00 | Do. |
| Do. |do..... | Boston, Melrose Highlands and points in Massachusetts (Apr. 2-4, 1913). | To confer with employees concerning field investigations of the gypsy and brown-tail moths. | 33. 50 | General expenses, Bureau of Entomology, 1913 (preventingspread of moths). |
| Dyar, H. G. | Expert. | New York, N. Y., and vicinity (June 10-20, 1913). | To conduct life history investigations on the breeding habits of mosquitoes and confer with local authorities on the subject of mosquito extermination. | 16. 35 | General expenses, Bureau of Entomology, 1913 (miscellaneous insects). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF ENTOMOLOGY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|---------------------|--------------------------|--|--|----------------|---|
| Holloway, T. E..... | Entomological assistant. | Tampico, Mexico, and various other points in the Republic of Mexico (Jan. 1-Mar. 31, 1913). | To investigate the occurrence in citrus groves of the Mexican fruit fly in connection with proposed quarantine against Mexico on account of this insect. | \$318.24 | Nursery-plant inspection and quarantine. |
| Howard, L. O..... | Chief of bureau..... | Cleveland, Salem, and Oberlin, Ohio (Dec. 26, 1912-Jan. 8, 1913). | To attend meetings of American Association for the Advancement of Science and affiliated societies, and to consult with health officials on the subject of a campaign against insects affecting the health of man. | 110.15 | General expenses, Bureau of Entomology, 1913 (miscellaneous insects). |
| Do..... | do..... | New York, N. Y. (May 2-4, 1913)..... | To confer with entomologists and health officials on the subject of injurious insects and insects affecting the health of man. | 20.00 | Do. |
| Do..... | do..... | Points throughout the United States (May 16-June 30, 1913). | To inspect field stations and confer with employees of the bureau and entomologists of experiment stations on the general subject of entomological investigations and cooperative work. | 539.55 | Do. |
| Do..... | do..... | Europe (July 1-Sept. 16, 1912)..... | To consult with officials of several of the European governments and with representative exporting nurserymen with a view to securing an improvement in the character of the nursery stock exported to the United States, so far as the carriage of injurious insects is concerned; also concerning the continued introduction of parasites and other natural enemies of the gypsy moth and brown-tail moth and the alfalfa weevil; also to examine entomological collections and compare specimens. | 949.67 | Preventing spread of moths, Bureau of Entomology, 1913. |
| Do..... | do..... | Boston, Mass., and points in Maine, New Hampshire, Vermont, Rhode Island, and Connecticut (Sept. 26-Oct. 3, 1912). | To confer with employees of the bureau and State officials concerning the investigation of the gypsy and brown-tail moths. | 65.60 | Do. |
| Do..... | do..... | Boston, stopping en route at New York, N. Y., and Philadelphia, Pa. (Nov. 8-12, 1912). | To confer with employees of the bureau concerning the investigations of the gypsy and brown-tail moths, and consulting entomologists concerning other investigations now being carried on by the bureau. | 53.30 | |
| Do..... | do..... | Boston, Mass. (Dec. 3-5, 1912)..... | To confer with employees of the bureau concerning the investigations of the gypsy and brown-tail moths. | 32.05 | Do. |

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|----------------|-----------------------|---|-----|---|--------|--|
| Do. | do. | Boston, Mass., stopping en route at New York, N. Y. (Jan. 24-28, 1913). | do. | To confer with employees of the bureau concerning the gypsy and brown-tail moth investigations, and to consult with entomologists and health officials on the subject of the extermination of flies and mosquitoes. | 54.35 | Do. |
| Do. | do. | Boston, Mass., going and returning and stopping on return at Atlantic City, N. J. (Feb. 21-26, 1913). | do. | To confer with officials of the customs service in regard to importations of nursery stock and inspection thereof under the plant-quarantine act. | 53.45 | Do. |
| Marlatt, C. L. | Entomologist. | New York, N. Y. (Oct. 9-11, 1912) | do. | To attend meeting of the Official Association of Horticultural Inspectors in order to acquaint these inspectors fully with the features of the plant-quarantine act and their cooperative relation thereto. | 23.00 | Nursery-plant inspection and quarantine. |
| Do. | do. | Cleveland, Ohio (Jan. 1-4, 1913). | do. | To inspect foreign importations of nursery stock, which may harbor injurious insects, consigned to that port and destined for shipment to points within the United States. | 44.00 | Do. |
| Sasscer, E. R. | Scientific assistant. | New York, N. Y. (5 trips—Oct. 1-2, 5-11, 14-18, 21-24, Nov. 7-9, 1912). | do. | To consult with officers of the customs service and instruct importers of nursery stock as to the procedure under the plant-quarantine act. | 140.80 | Do. |
| Do. | do. | Baltimore, Md. (Oct. 26-28, 1912) | do. | To inspect certain imported nursery stock which arrived without foreign certificate of inspection. | 5.40 | Do. |
| Do. | do. | Baltimore, Md. (Dec. 10, 1912). | do. | To consult with State Inspectors charged with the inspection of imported nursery stock and to examine and report on such nursery stock in accordance with the plant-quarantine act. | 2.00 | Do. |
| Do. | do. | Various points in Maryland, Delaware, Pennsylvania, New Jersey, New York, Connecticut, Rhode Island, Massachusetts, Maine, New Hampshire, and Vermont (Apr. 19-30, 1913). | do. | | 111.11 | Do. |

BUREAU OF BIOLOGICAL SURVEY.

| | | | | | |
|-----------------|--------------------------------------|---|--|----------|--|
| Bailey, Vernon. | In charge biological investigations. | Various points in Minnesota and North Dakota (July 1-Aug. 7, 1912). (Trip begun in previous fiscal year.) | To study distribution of animals and plants and to have supervisory charge of field parties engaged in similar work. | \$135.08 | General expenses, Bureau of Biological Survey, 1913 (biological investigations). |
| Brewster, C. E. | Assistant, game preservation. | Pittsburgh and Harrisburg, Pa. (Aug. 4-9, 1912). | To investigate interstate shipments of game. | 44.93 | General expenses, Bureau of Biological Survey, 1913 (game preservation). |
| Do. | do. | Chicago, Ill., and Marquette, Mich. (Sept. 1-28, 1912). | do. | 152.71 | Do. |
| Do. | do. | Baltimore, Md.; Norfolk, Va.; Grand Rapids and Detroit, Mich.; Knoxville, Tenn.; Cincinnati, Ohio; Chicago, Ill.; and other points in the States mentioned (Oct. 2-29, 1912). | do. | 248.03 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF BIOLOGICAL SURVEY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|---------------------|------------------------------------|--|---|----------------|---|
| Brewster, C. E..... | Assistant, game preservation. | Baltimore, Md.; Norfolk, Va.; Lexington, Ky.; Nashville, Tenn.; Galveston, Tex.; St. Louis, Mo.; New York, N. Y.; Greensboro, N. C.; and other points in the States mentioned (Nov. 9-30, Dec. 7-26, 1912; Mar. 8-June 20, 1913). | To investigate interstate shipment of game.... | \$82.81 | General expenses, Bureau of Biological Survey, 1913 (game preservation). |
| Do..... | do..... | Baltimore, Md.; Norfolk, Va.; Philadelphia, Pa.; Goshen and New York, N. Y.; Newark, N. J. (Jan. 11-24, 1913). Seattle, Wash., and vicinity and various points in California (July 1-24, Aug. 15-31, Sept. 1-2, 1912; May 13-June 30, 1913). (Trip begun in previous fiscal year.) Various points in California (Jan. 20-May 4, 1913). |do..... To determine most practical methods of controlling the depredations of mammals injurious to agriculture and forestry. To assist in the work of controlling the ground squirrels in the national forests of California. | \$124.61 | Do. |
| Dearborn, Ned..... | Assistant biologist.... | Points in Michigan, Minnesota, North Dakota, Montana, and Idaho (July 24-Aug. 14, 1912). | To determine most practical methods of controlling the depredations of mammals injurious to agriculture and forestry. | 476.84 | General expenses, Bureau of Biological Survey, 1913 (food habits of birds and mammals). |
| Do..... | do..... | Annapolis, Md. (Aug. 2, 1912)..... | To assist in the work of controlling the ground squirrels in the national forests of California. | 564.85 | General expenses, Bureau of Biological Survey, 1913 (exterminating ground squirrels). |
| Do..... | do..... | Points in Michigan, Minnesota, North Dakota, Montana, and Idaho (July 24-Aug. 14, 1912). | To carry on the work of poisoning rodents on areas within the national forests which were to be seeded during the fall. | 52.80 | General expenses, Forest Service, 1913 (general administration). |
| Earnshaw, F. L..... | Clerk..... | Annapolis, Md. (Aug. 2, 1912)..... | To investigate interstate shipments of game.. | 3.25 | General expenses, Bureau of Biological Survey, 1913 (game preservation). |
| Fisher, A. K..... | In charge economic investigations. | Burlington, Vt.; Glen Falls and New York, N. Y. (Mar. 18-26, 1913). | To represent the department at the sportsmen's convention of the Vermont Fish and Game League; Glen Falls and New York in connection with economic investigation being carried on by the Biological Survey. | 54.15 | General expenses, Bureau of Biological Survey, 1913 (food habits of birds and mammals). |
| Do..... | do..... | Cambridge, Mass. (Nov. 10-21, 1912)..... | To represent the Biological Survey at the annual meeting of the American Ornithologists' Union. | 28.05 | Do. |
| Do..... | do..... | Various points in Colorado, Montana, Oregon, Washington, New Mexico, Arizona, California, Louisiana, and Mississippi (Sept. 28-Nov. 5, 1912, June 17-30, 1913). | To determine most practical methods of controlling the depredations of mammals injurious to agriculture and forestry, to devise means for destroying crawfish which devastate corn and cotton crops of the South. | 605.14 | Do. |
| Goldman, E. A..... | Field naturalist..... | Various points in Arizona (Jan. 17-June 30, 1913). | To determine most practical methods of controlling the depredations of mammals injurious to agriculture and forestry and to study the food habits of birds. | 600.00 | General expenses, Bureau of Biological Survey, 1913 (food habits of birds and mammals). |

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|-----------------|------------------------|---|---|---------|---|
| Henshaw, H. W. | Chief of bureau | Various points in Montana, Oklahoma, New Mexico, California, and Oregon (Aug. 12-Sept. 25, 1912). | To inspect national bird and mammal reservations, to study distribution of animals and plants, and to plan field work for assistants. | 318. 25 | General expenses, Bureau of Biological Survey, 1913 (administrative expenses). |
| Howell, A. H. | Assistant biologist | Various points in Alabama, Mississippi, and Georgia (May 20-June 30, 1913). | To study distribution and economic status of mammals and birds. | 199. 24 | General expenses, Bureau of Biological Survey, 1913 (biological investigations). |
| Kalmbach, E. R. | Expert | Salt Lake Valley, Utah (July 1-Aug. 13, 1912). (Trip begun in previous fiscal year.) | To study the relation of birds to the alfalfa weevil and to collect data on birds and mammals in relation to agriculture and forestry. | 146. 50 | General expenses, Bureau of Biological Survey, 1913 (food habits of birds and mammals). |
| Lantz, D. E. | Assistant biologist | Various points in Maryland, Virginia, Kansas, and Colorado (July 1-19; Aug. 14-Sept. 5, 1912; Apr. 8-June 30, 1913). (Trip begun in previous fiscal year.) | To devise methods of controlling the depredations of mammals injurious to agriculture and forestry. | 659. 86 | Do. |
| Do | do | Points in Michigan, Minnesota, North Dakota, Montana, and Idaho (July 19-Aug. 13, 1912). | To assist in carrying on the work of poisoning rodents on areas within national forests which were to be seeded during the fall. | 129. 48 | General expenses, Forest Service, 1913 (general administration). |
| McAtee, W. L. | do | Various points in Louisiana and Chicago, Ill. (Sept. 7-Oct. 8, 1913). | To secure data on the fruiting of plants in connection with investigations on the important foods of the wild duck; also on plants attractive to birds. | 186. 05 | General expenses, Bureau of Biological Survey, 1913 (food habits of birds and mammals). |
| Do | do | Coast of Virginia (May 21-June 6, 1913). | To study the economic habits of shore birds. | 58. 61 | Do. |
| Nelson, E. W. | Chief field naturalist | New York, N. Y. (July 26-Aug. 3, 1912). | To study certain groups of birds in Museum of Natural History in connection with a bureau report being prepared for publication. | 16. 35 | General expenses, Bureau of Biological Survey, 1913 (administrative expenses). |
| Do | do | Various points in California and Arizona (Sept. 20-Dec. 16, 1912). | To study distribution and habits of birds and mammals, and to ascertain abundance of game birds and mammals in connection with proposed game refuges. | 410. 90 | General expenses, Bureau of Biological Survey, 1913 (biological investigations). |
| Palmer, T. S. | Assistant chief | Harrisburg, Pa.; Chicago and Springfield, Ill.; Madison, Wis. (July 5-17, 1912). | To confer with State officials in Pennsylvania concerning game preservation, to inspect State game farm in Illinois, to confer with State officials and game wardens and officials of Civil Service Commission in Wisconsin in connection with game warden service in that State. | 75. 63 | General expenses, Bureau of Biological Survey, 1913 (game preservation). |
| Do | do | New York, N. Y.; Springfield, Mass.; Tampa, Fla. (Oct. 26, Nov. 2, Dec. 27, 1912, May 23-27, 1913). | To supervise inspection service of foreign birds, to confer with State officials and others concerning matters of game preservation, and to examine bird reservations and game refuges. | 200. 00 | Do. |
| Do | do | Chicago, Ill. Denver, Colo.; Gardiner, Mont.; St. Anthony, Idaho; Cheyenne, Wyo.; Deadwood, S. Dak.; Valentine, Nebr.; and other points in the States mentioned (Aug. 26-Sept. 30, 1912). | To make arrangements for feeding elk in Jackson Hole, Wyo., and to confer with field representatives regarding bird reservations and elk protection. | 288. 20 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

BUREAU OF BIOLOGICAL SURVEY—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|------------------------|-------------------------|--|--|----------------|---|
| Scheffer, Theo. H..... | Assistant biologist.... | Various points in Colorado and Arizona (July 1-Sept. 20, 1912; Mar. 18-June 30, 1913). (Trip begun in previous fiscal year). | To determine most practical methods of controlling mammals injurious to agriculture and forestry and to investigate the food habits of birds of economic importance. To return to official station after completing cooperative field work in Porto Rico. | \$837.65 | General expenses, Bureau of Biological Survey, 1913 (food habits of birds and mammals). |
| Wetmore, Alexander.. | Agent..... | New York, N. Y., to Washington, D. C. (Sept. 15, 1912). | | 12.61 | Do. |

DIVISION OF ACCOUNTS AND DISBURSEMENTS.

| | | | | | |
|-----------------------|--|---|--|----------|---|
| Calvert, Edgar B..... | Assistant chief..... | Mount Weather, Va. (Aug. 21-22, 1912)..... | To inspect repairs to Weather Bureau buildings. | \$3.25 | General expenses, Weather Bureau, 1913. |
| Do..... | do..... | Cincinnati, Ohio; Chicago, Peoria, Ill.; and Lansing, Mich (Oct. 3-16, 1912). | To inspect Weather Bureau buildings at Peoria and Lansing, and consult with officials at other stations relative to handling of Weather Bureau accounts. | 82.92 | Do. |
| Do..... | do..... | Hatteras, N. C. (Nov. 25-Dec. 6, 1912)..... | To arrange for repairs to Weather Bureau buildings. | 58.45 | Do. |
| Do..... | do..... | Key West and Sand Key, Fla. (Jan. 11-19, 1913). | To inspect new Weather Bureau buildings.... | 84.85 | Do. |
| Do..... | do..... | New York, N. Y., and Sandy Hook, N. J. (June 18-20, 1913). | To inspect proposed site for Weather Bureau building at Sandy Hook and to consult in regard to its erection. | 17.95 | Do. |
| Fagan, M. E..... | Chief, office of accounts, and fiscal agent. | Albuquerque, N. Mex. (Dec. 14, 1912-Jan. 11, 1913). | To inspect and take temporary charge of the office of the district fiscal agent. | 258.90 | General expenses, Forest Service, 1913 (general administration). |
| Melzar, E. A..... | District fiscal agent.... | District headquarters and various national forest headquarters throughout United States (July 1-Dec. 24, 1912). (Trip begun in fiscal year 1912.) | To supervise work of district fiscal agents and to take temporary charge of offices. | 1,277.98 | Do. |
| Do..... | do..... | Gorham, N. H.; Ogden, Utah; and Denver, Colo. (May 19-June 30, 1913). (Trip not completed in fiscal year 1913.) | To inspect district offices and install administrative cost-accounting system. | 309.09 | Do. |
| Shuck, W. L..... | Clerk..... | San Francisco, Cal.; Portland, Oreg.; Ogden, Utah; Denver, Colo.; and Albuquerque, N. Mex. (Oct. 26-Nov. 27, 1912). | To instruct district fiscal agents in regard to the keeping of their records and reporting to the central accounting office. | 350.90 | Do. |
| Zappone, A..... | Chief of division..... | Atlanta, Ga. (Oct. 17-22, 1912)..... | To make payment for lands acquired under the Weeks law. | 66.20 | Acquisition of lands for protection of watersheds of navigable streams. |
| Do..... | do..... | Atlanta, Ga. (Nov. 20-25, 1912)..... | do..... | 67.20 | Do. |

BUREAU OF STATISTICS.

| Andrews, Frank..... | Statistical scientist..... | New Orleans, Franklin, Houma, Donaldsonville, Burnside, La. (Apr. 15-25, 1913). | To secure statistical information relating to the production of sugar. | \$116.22 | General expenses, Bureau of Statistics, 1913 (special investigations). Do. |
|---------------------|-----------------------------|---|--|----------|---|
| Jones, S. A..... | Assistant statistician..... | Three Bridges, N. J.; West Cornwall, Conn.; Kingston, R. I.; Boston, Marlboro, Mass.; Maysville, Me.; Randolph, Vt.; Milford, N. H.; Fayetteville, Albany, N. Y.; Milford, Del.; Berryville, Va. (Aug. 10-31, 1912). | To examine and inspect offices of the field service of the bureau and to supervise and instruct special field agents and State statistical agents. | 121.76 | Do. |
| Do..... | do..... | Mechanicsburg, Pa.; Columbus, Ohio; Columbus, Indianapolis, Ind.; Carson City, Mich.; Chicago, Ill.; Madison, Wis.; Minneapolis, Fergus Falls, Minn.; Des Moines, Iowa; Bowdle, S. Dak.; Fargo, N. Dak.; Council Bluffs, Iowa; Lincoln, Nebr.; Mount Lake Park, Md. (Sept. 17-Oct. 24, 1912). | do..... | 279.27 | Do. |
| Do..... | do..... | Cheyenne, Douglas, Sheridan, Wyo.; Carbondale, Colo.; Salt Lake City, Utah; Missoula, Mont.; Moscow, Weiser, Idaho; Kennewick, Wash.; Portland, Corvallis, Oreg.; San Francisco, Cal.; Carson City, Nev.; Phoenix, Ariz.; Okeene, Okla.; Los Lunas, N. Mex. (Nov. 11-Dec. 22, 1912). | do..... | 538.62 | Do. |
| Do..... | do..... | Marlinton, W. Va.; Hiawatha, Manhattan, Olathe, Kans.; Loneoke, Little Rock, Ark.; Guthrie, Stillwater, Okla.; King City, Mo.; Carrollton, Miss.; Lexington, Ky.; Clarksville, Nashville, Tenn. (Jan. 28-Feb. 26, 1913). | do..... | 238.61 | Do. |
| Do..... | do..... | Guthrie, Okla.; Florence, S. C.; Augusta, Macon, Ga.; Gainesville, Fla.; Auburn, Ala.; Laurel, Miss.; West Raleigh, N. C.; Lake Charles, La.; Houston, Austin, Tex.; Stillwater, Okla. (Mar. 20-Apr. 16, 1913). | do..... | 188.18 | Do. |
| Do..... | do..... | Greeneville, Tenn.; Forsyth, Ga. (Apr. 30-May 5, 1913). | do..... | 68.20 | Do. |
| Do..... | do..... | Bryantown, Md.; Fayetteville, N. Y.; Mechanicsburg, Pa.; Albany, N. Y.; Randolph, Vt.; Boston, Mass.; Maysville Center, Bangor, Limestone, Houlton, Me.; Milford, N. H.; Marlboro, Mass.; West Cornwall, Conn.; Kingston, R. I.; Three Bridges, N. J.; Milford, Del. (June 2-25, 1913). | do..... | 195.44 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

LIBRARY.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|--------------------------------|---------------------------------------|---|--|----------------|--|
| Barnett, C. R. | Librarian. | Ottawa, Canada (July 1-3, 1912). | To attend the meeting of the American Library Association, 1912, as the official representative of the department. | \$11.27 | Library, Department of Agriculture, 1913. |
| Hawks, E. B. | Assistant librarian. | Kaaterskill, N. Y. (June 23-28, 1913). | do. | 27.18 | Do. |
| OFFICE OF EXPERIMENT STATIONS. | | | | | |
| Allen, E. W. | Assistant director. | Various points in Nebraska, Wyoming, Colorado, Kansas, Missouri, Arkansas, Oklahoma, Texas, and Louisiana (Sept. 22-Oct. 28, 1912). | To inspect State experiment stations under the act of Mar. 2, 1887, and amendatory acts, and to confer with officials of colleges and experiment stations in relation to their work and condition. | \$325.02 | Agricultural experiment stations, 1913 (miscellaneous expenses). |
| Do. | do. | Atlanta, Ga. (Nov. 10-17, 1912). | To address Association of American Agricultural Colleges and Experiment Stations on organization of the station library. | 71.80 | Do. |
| Do. | do. | New York, N. Y. (Jan. 29-Feb. 2, 1913). | To confer with officials of the Cornell Agricultural Experiment Station in relation to proposed work of the Office of Experiment Stations. | 28.80 | Do. |
| Do. | do. | Various points in Georgia, Louisiana, Texas, New Mexico, Oklahoma, and Arkansas (May 17-June 8, 1913). | To inspect State experiment stations under the act of Mar. 2, 1887, and amendatory acts, and to confer with officials of colleges and experiment stations in relation to their work and condition. | 265.63 | Do. |
| Beal, W. H. | Chief of division. | Various points in Connecticut, Vermont, Maine, New Hampshire, Massachusetts, and Rhode Island (Sept. 2-22, 1912). | do. | 123.30 | Do. |
| Do. | do. | Various points in Tennessee, Kentucky, and Iowa (Sept. 29-Oct. 11, 1912). | do. | 130.90 | Do. |
| Do. | do. | Various points in Wyoming and Oregon (June 20-30, 1913). | do. | 145.35 | Do. |
| Crosby, D. J. | Specialist in agricultural education. | Ithaca, Freeville, Lincolndale, and other points in New York (Aug. 12-16, 1912). | To investigate and report on the teaching of agriculture in schools. | 31.64 | Agricultural experiment stations, 1913 (farmers' institutes). |
| Do. | do. | Sparks, Md. (Sept. 20, 1912). | do. | 2.73 | Do. |
| Do. | do. | Atlanta, Ga. (Nov. 9-15, 1912). | To discuss the training of teachers of agriculture with the committee on instruction in | 69.60 | Do. |

| agriculture of the Association of American Agricultural Colleges and Experiment Stations | | | | |
|---|--|---|--------|--|
| Do. | Do. | To investigate and report on the teaching of agriculture in schools. | 25.60 | Do. |
| Do. | Do. | To report on the agricultural education work of the State normal school. | 19.50 | Do. |
| Do. | Do. | To report on the methods of teaching agriculture in the Genesee Wesleyan Seminary. | 3.12 | Do. |
| Do. | Do. | To confer with officials of the New York State College of Agriculture and the New York State Experiment Station in relation to methods of teaching agriculture. | 21.04 | Do. |
| Do. | Do. | To confer with trustees of the Genesee Wesleyan Seminary in relation to the teaching of agriculture and to investigate and report on the methods of instruction at the School of Agriculture of Chautauqua Institution. | 24.45 | Do. |
| Do. | Do. | To report the proceedings of the American Association of Farmers' Institute Workers. | 64.65 | Do. |
| Do. | Drainage 1913. | To address the Georgia Drainage Congress on the drainage work of the department. | 51.25 | Drainage 1913. |
| Do. | Do. | To address the National Drainage Congress on the drainage work of the department. | 73.25 | Do. |
| Do. | Do. | To consult with local land reclamation committee relative to cooperative plans of work for drainage and flood protection. | 51.50 | Do. |
| Do. | Do. | To perfect plans for drainage investigations in Louisiana. | 97.00 | Do. |
| Ervin, Guy | Irrigation 1913. | Returned from field assignment. | 104.85 | Irrigation 1913. |
| Do. | Do. | Transferred to duty at field station of office of irrigation investigations. | 89.10 | Do. |
| Evans, W. H. | Agricultural experiment stations, 1913 (miscellaneous expenses). | To inspect State experiment stations under the act of Mar. 2, 1887, and amendatory acts, and to confer with officials of colleges and experiment stations in relation to their work and condition. | 415.38 | Agricultural experiment stations, 1913 (miscellaneous expenses). |
| Do. | Do. | do. | 257.75 | Do. |
| Do. | Do. | do. | 162.50 | Do. |
| Do. | Do. | do. | 104.84 | Do. |
| Fortier, Samuel | Irrigation 1913. | To confer with department engineers and supervise work of irrigation investigations being performed by them. | 174.45 | Irrigation 1913. |
| Do. | Do. | To confer with department engineers and supervise work of irrigation investigations; and to deliver an address on the irrigation investigations of the department before the Irrigation Congress at Salt Lake City, Utah. | 105.25 | Do. |
| Baltimore, Md., New York and Lincoln- | | | | |
| dale, N. Y. (Dec. 17-18, 1912). | | | | |
| New York, N. Y. (Mar. 7-8, 1913) | | | | |
| Lima, N. Y. (Apr. 19, 1913) | | | | |
| Ithaca and Geneva, N. Y. (June 3-5, 1913). | | | | |
| Lima and Chautauqua, N. Y. (June 24-26, 1913). | | | | |
| Atlanta, Ga. (Nov. 8-14, 1912) | | | | |
| Savannah, Ga. (Apr. 2-5, 1913) | | | | |
| St. Louis, Mo. (Apr. 9-14, 1913) | | | | |
| Fort Wayne, Ind. (Apr. 26-29, 1913) | | | | |
| New Orleans, La. (May 6-13, 1913) | | | | |
| Los Angeles, Cal., to Washington, D. C. (Oct. 1-11, 1912). | | | | |
| Boise, Idaho (June 21-30, 1913) | | | | |
| Various points in Nevada, California, Oregon, North Dakota, South Dakota, and Minnesota (July 7-Aug. 20, 1912). | | | | |
| Various points in California, Texas, and Arizona (Sept. 28-Oct. 22, 1912). | | | | |
| Various points in Alabama, Tennessee, and South Carolina (Apr. 23-May 11, 1913.) | | | | |
| Various points in Indiana, Illinois, Iowa, and Michigan (June 15-30, 1913). | | | | |
| Various points in Washington, Oregon, California, Nevada, and Utah (Sept. 6-30, 1912). | | | | |
| Various points in Utah, Wyoming, Colorado, Kansas, and Missouri (Oct. 1-8, 1912). | | | | |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

OFFICE OF EXPERIMENT STATIONS—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|--------------------------------------|--|---|-------------------|---|
| Fortier, Samuel..... | Chief of irrigation investigations. | Buckeystown, Md. (Nov. 21, 1912)..... | To examine irrigation plant and advise owners regarding operation. | \$3. 73 | Irrigation investigations, 1913. |
| Do..... | do..... | Moorestown, N. J. (Jan. 11-13, 1913)..... | To confer with department engineer regarding irrigation work. | 9. 05 | Do. |
| Do..... | do..... | Various points in Texas and Alabama. (Apr. 3-17, 1913). | To confer with department engineers and State officials regarding irrigation work and supervision of the same. | 172. 15 | Do. |
| Hamilton, John..... | Specialist, farmers' institutes. | Atlanta, Ga. (Nov. 8-15, 1912)..... | To present a paper on farmers' institute work before the American Association of Farmers' Institute Workers, and the Association of American Agricultural Colleges and Experiment Stations. | 80. 10 | Agricultural experiment stations, 1913 (farmers' institutes). |
| Do..... | do..... | Philadelphia, Pa. (Feb. 26-27, 1913)..... | To deliver an address on the farmers' institute work of the department before the National Committee on Agricultural Education. | 13. 30 | Do. |
| Do..... | do..... | Boston, Mass. (Mar. 5-7, 1913)..... | To deliver an address on the farmers' institute work of the department at a Conference of Agricultural Extension Workers. | 45. 10 | Do. |
| Do..... | do..... | Various points in Pennsylvania, Ohio, Indiana, Michigan, Ontario, New York, and New Jersey (Mar. 17-28, 1913). | To investigate and report on the organization and progress of the farmers' institutes. | 105. 26 | Do. |
| Harden, F. G..... | Scientific assistant. | Various points in Nebraska and Colorado (May 16-31, 1913). | To collect data relative to the management of irrigation enterprises. | 110. 46 | Irrigation investigations 1913. |
| Do..... | do..... | Various points in Colorado and Utah (June 1-30, 1913). | do..... | 174. 65 | Do. |
| Hare, Butler B..... | Assistant in agricultural education. | Atlanta, Ga. (Nov. 10-18, 1912)..... | To deliver an address on the agricultural education work of the department before a convention of the American Association of Farmers' Institute Workers and to investigate and report on the teaching of agriculture in schools. | 76. 48 | Agricultural experiment stations, 1913 (farmers' institutes). |
| Do..... | do..... | Various points in North Dakota and Montana (Jan. 10-Feb. 4, 1913). | To address a meeting of farmers on the agricultural education work of the department and to investigate and report on the teaching of agriculture in colleges and schools. | | No expense. |
| Do..... | do..... | Richmond, Va. (Apr. 17-18, 1913)..... | To address the "Conference for Education in the South" on agricultural education and to investigate and report on the teaching of agriculture in schools. | 15. 90 | Agricultural experiment stations, 1913 (farmers' institutes). |

| Hunt, Caroline L..... | Expert in nutrition..... | New York, N. Y. (Oct. 25-28, 1912)..... | To deliver an address on the results of the department's nutrition investigations before the Domestic Science and Pure Food Congress. | 17.95 | Nutrition investigations, 1913. |
|-----------------------|---|---|---|--------|---|
| Do..... | do..... | Sparks, Md. (Nov. 15, 1912)..... | To deliver an address on the nutrition work of the department before the Annual Corn and Potato Congress of the Agricultural High Schools. | 2.89 | Do. |
| Jackson, E. R..... | Specialist in agricultural education. | Richmond, Va. (Apr. 16-17, 1913)..... | To discuss forest education in schools at the Conference for Education in the South. | 13.35 | General expenses, Forest Service, 1913 (market and miscellaneous investigations). |
| Lane, Chas. H..... | Assistant in agricultural education. | Manassas, Va. (Nov. 15, 1912)..... | To deliver an address on agricultural education before the Manassas Agricultural High School. | 1.30 | Agricultural experiment stations, 1913 (farmers' institutes). |
| Do..... | do..... | Philadelphia, Ambler, and Doylestown, Pa. (Feb. 24-Mar. 1, 1913). | To deliver an address on agricultural education before the National Committee on Agriculture, and to investigate and report on the teaching of agriculture at the Pennsylvania School of Horticulture for Women, and the National Farm School. | 34.33 | Do. |
| Do..... | do..... | Richmond, Va. (Apr. 14-17, 1913)..... | To address the Conference for Education in the South, in relation to agricultural education in one-teacher schools. | 23.15 | Do. |
| Do..... | Chief specialist in agricultural education. | Various points in Tennessee, Alabama, Georgia, South Carolina (May 3-15, 1913). | To confer with State and local officials and teachers in relation to methods of promoting agricultural education. | 111.60 | Do. |
| Do..... | do..... | Hampton, Driver, and Richmond, Va. (May 27-June 1, 1913). | To investigate and report on the teaching of agriculture in schools. | 25.90 | Do. |
| Do..... | do..... | Annapolis, Md. (June 3, 1913). | do..... | 2.80 | Do. |
| Do..... | do..... | Various points in Delaware, New Jersey, and Pennsylvania. (June 16-21, 1913). | do..... | 41.96 | Do. |
| Langworthy, C. F..... | Chief of division..... | Chicago and Champaign, Ill. (Nov. 17-24, 1912). | To consult with experts regarding the use of nutrition as food and its preparation, and deliver an address on the nutrition work of the department before the University of Chicago, Lewis Institute, and Homemakers Conference. | 81.67 | Nutrition investigations, 1913. |
| Do..... | do..... | Boston, Mass., to New York and Washington, D. C. (Dec. 30, 1912-Jan. 2, 1913). | To consult with experts regarding the nutrition investigations of the department and to deliver an address on the department's work for housekeepers at the annual meeting of the American Home Economics Association. | 25.10 | Do. |
| Do..... | do..... | Middlebury and Burlington, Vt. (Feb. 18-25, 1913). | To deliver addresses on the department's nutrition work for the housewife at a farmers' institute held in Middlebury, under the auspices of the Bureau of Animal Industry and at a similar meeting at the Agricultural College at Burlington; and to consult with experts regarding plans for nutrition investigations. | 56.71 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

OFFICE OF EXPERIMENT STATIONS—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. | |
|-------------------|---------------------|---|--|----------------|------------------|-----------------|
| | | | | | Nutrition 1913. | investigations. |
| Langworthy, C. F. | Chief of division | Richmond, Va. (Apr. 17-18, 1913). | To deliver an address on the nutrition work of the department for housekeepers before a conference on the education of women in the country; and to consult with experts regarding nutrition investigations in progress. | \$15. 10 | | |
| Do. | do. | Ithaca, N. Y. (June 26-30, 1913). | To deliver an address on the nutrition work of the department at a meeting of the American Home Economics Association, and to consult with experts regarding proposed investigations. | 30. 03 | Do. | |
| Lipp, Paul H. | Bookkeeper. | Fort Collins, Colo. (May 1-June 3, 1913). | Transferred to field duty in connection with cooperative irrigation investigations with the Colorado State College. | 148. 25 | Irrigation 1913. | Investigations, |
| McCrory, S. H. | Engineer in charge. | Various points in Arkansas, Texas, Louisiana, Alabama, Georgia, and New York (Aug. 1-31, 1912). | To inspect and supervise the drainage work of the office and consult with department and other engineers regarding the progress and plans of work. | 201. 88 | Drainage 1913. | investigations, |
| Do. | do. | Various points in New York, Missouri, New Mexico, Texas, Colorado, Utah, Idaho, and Washington (Sept. 1-30, 1912). | do. | 251. 83 | Do. | |
| Do. | do. | Various points in Washington, Montana, and Wyoming, Georgia, North Carolina, and Alabama (Oct. 2-26, 1912). | do. | 236. 95 | Do. | |
| Do. | do. | Richmond, Va. (Nov. 29, 1912). | do. | | | |
| Do. | do. | Charlotte, Lincolnton, and Salisbury, N. C. (Dec. 1-4, 1912). | To confer with department engineers regarding plans for work. | 12. 00 | Do. | |
| Do. | do. | Various points in Tennessee, Mississippi, Arkansas, Oklahoma, Texas, Louisiana, Alabama, and Georgia (Jan. 8-31, 1913). | Inspection and supervision of drainage work and conferences with department engineers. | 39. 25 | Do. | |
| Do. | do. | Wilmington and Raleigh, N. C. (Mar. 3-8, 1913). | do. | 258. 90 | Do. | |
| Do. | do. | Various points in Utah and Colorado (Apr. 1-15, 1913); Fort Wayne, Ind. (Apr. 27-30, 1913). | do. | 36. 50 | Do. | |
| Do. | do. | Various points in Mississippi (May 4-17, 1913); Richmond, Doswell, Beaton, and Kernstown, Va. (May 26-29, 1913). | To inspect and supervise drainage work and to consult with land reclamation committee with reference to cooperative plans of work for drainage and flood protection. | 286. 45 | Do. | |
| Do. | do. | | To inspect and supervise drainage work and investigate general drainage conditions and possibilities. | 163. 05 | Do. | |

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|----------------------|--|--|--|--------|--|
| Marsden, R. D..... | Office engineer..... | Raleigh and Statesville, N. C. (June 11-14, 1913). | To confer with department engineers and State officials in relation to drainage investigations in North Carolina. | 39.35 | Do. |
| Milner, R. D..... | Assistant..... | Philadelphia, Pa., and New York, N. Y. (Oct. 1-6, 1912). | To confer with manufacturers regarding special absorption devices for respiration calorimeter. | 34.35 | Nutrition 1913. |
| Moore, M. D..... | Scientific assistant in dairying. | Columbia, S. C. (Jan. 23-30, 1913) | To present a paper on "Feeding Corn Silage in Connection with Cottonseed Meal to Beef Cattle," before the South Carolina Live Stock Association and to attend the meetings of the American Breeders' Association for the purpose of gathering information for use in official work. | 43.95 | Agricultural experiment stations, 1913 (miscellaneous expenses). |
| Morse, E. W..... | Specialist in animal husbandry. | Chicago, Ill. (Nov. 29-Dec. 3, 1912) | To present a paper on "Method of conducting and reporting feeding experiments" at a meeting of the American Society of Animal Nutrition, and to confer with experiment station officials in relation to work of the department. | 64.40 | Do. |
| Stedman, John M..... | Assistant farmers' institute specialist. | Laytonsville, Md. (Feb. 27, 1913) | To deliver an address on "The improvement of farmers' institute service" at a farmers' institute. | .95 | Agricultural experiment stations, 1913 (farmers' institutes). |
| True, A. C..... | Director..... | Lansing, Mich., and Wooster, Ohio (July 1-30, 1912). | To inspect the Michigan and Ohio State experiment stations under the act of Mar. 2, 1887, and amendatory acts; confer with officials of colleges and experiment stations in relation to their work and condition; and to deliver addresses on the educational work of the department before officials of various State agricultural colleges in conference at Lansing, Mich. | 27.35 | Agricultural experiment stations, 1913 (miscellaneous expenses). |
| Do..... | do..... | Various points in New York and New Jersey (Sept. 16-20, 1912). | To inspect the New York and New Jersey State experiment stations under the act of Mar. 2, 1887, and amendatory acts, and to confer with officials of colleges and experiment stations in relation to their work and condition. | 35.05 | Do. |
| Do..... | do..... | Newark, Del. (Oct. 16, 1912) | To inspect the Delaware State experiment station under the act of Mar. 2, 1887, and amendatory acts. | 5.94 | Do. |
| Do..... | do..... | Various points in Indiana, Ohio, Illinois, and Wisconsin (Oct. 27-Nov. 7, 1912). | To inspect the State experiment stations under the act of Mar. 2, 1887, and amendatory acts, and to confer with officials of colleges and experiment stations in relation to their work and condition. | 110.17 | Do. |
| Do..... | do..... | Atlanta, Ga. (Nov. 10-16, 1912) | To deliver an address on the work of the department at a meeting of the Association of American Agricultural Colleges and Experiment Stations and American Association of Farmers' Institute Workers. | 75.85 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

OFFICE OF EXPERIMENT STATIONS—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-------------|---|--|---|----------------|---|
| True, A. C. | Director and delegate of the United States to the general assembly of the International Institute of Agriculture. | Various points in Italy, France, Switzerland, Germany, Belgium, Holland, and Denmark (May 15-June 30, 1913). | To visit capitals and agricultural experiment stations and schools to obtain information in relation thereto, and to attend the International Congress of Agriculture at Ghent, Belgium, and the International Institute of Agriculture at Rome, Italy. | \$317.40 | Agricultural experiment stations, 1913 (farmers' institutes). |

OFFICE OF PUBLIC ROADS.

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|-----------------|--------------------------|---|--|---------|---|
| Anderton, B. A. | Assistant chemist. | Chevy Chase, Md., and return (10 trips) (May 9-16, 1913). | To inspect experimental road under construction. | \$33.80 | General expenses, Office of Public Roads, 1913 (road material). |
| Do. | do. | Georgetown, D. C. (4 trips); Chevy Chase, Md. (2 trips); Silver Springs, Md. (June 3-28, 1913). | To test bituminous materials at Georgetown for use on Chevy Chase experimental road; to inspect experimental roads under construction at Chevy Chase and Silver Springs. | .95 | Do. |
| Barbour, I. W. | Senior highway engineer. | Rockville, Md. (7 trips), (July 2-Aug. 20, 1912). | To inspect experimental road under construction. | 4.55 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). |
| Do. | do. | Hatfield (5 trips), Clarke (4 trips), Alexandria (2 trips), Fort Berry (2 trips), Mount Ida, Va. (2 trips); Chevy Chase, Md. (2 trips); Portland, Me. (Sept. 4, 1912-Jan. 2, 1913). | To investigate road maintenance at Hatfield, Clarke, Alexandria, Fort Berry, and Mount Ida; to inspect experimental road under construction at Chevy Chase; to address Maine Automobile Association at Portland on the relation of the automobile to good roads. | 41.85 | Do. |
| Do. | do. | Hatfield (4 trips), Fort Berry (2 trips), Winchester, Va.; Chevy Chase, Md. (Jan. 8-Mar. 7, 1913). | To investigate road maintenance at Hatfield and Fort Berry; to inspect roads and give advice at Winchester; to inspect experimental road under construction at Chevy Chase. | 13.60 | Do. |
| Do. | do. | Dover, Del. (Mar. 17-18, 1913). | To inspect road and advise local authorities regarding management. | 13.96 | Do. |
| Do. | do. | Jacksonville, Tampa, Bradentown, Palmetto, Ellenton, Sarasota, Fla.; Selma, Montgomery, Burnsville, Ala.; Meridian, Miss. (Apr. 2-23, 1913). | To make economic studies of road conditions in Florida, Alabama, and Mississippi. | 183.95 | Do. |

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|----------------------|-----------------------------|---|--|--------|---|
| Do..... | do..... | Chevy Chase, Rockville, Md.; New Milford, West Cornwall, Falls Village, Canaan, Conn. (May 1-31, 1913). | To inspect experimental roads under construction at Chevy Chase and Rockville; to inspect proposed post road at points in Connecticut. | 66.20 | Do. |
| Do..... | do..... | Alexandria County, Va.; Chevy Chase, Md.; Hartford, Berlin, Middleham, Putnam, Plainfield, West Thompson, Conn. (June 4-22, 1913). | To investigate road maintenance at points in Alexandria County; to inspect experimental road under construction at Chevy Chase; to inspect proposed post road at points in Connecticut. | 69.75 | Do. |
| Do..... | do..... | Portland, Me. (June 26-30, 1913). | To inspect proposed post road in Maine. | 36.35 | Do. |
| Bigelow, Luna E..... | Lecturer on road economics. | Louisiana, Mo. (Apr. 26-May 2, 1913). | To address National Congress of Mothers on the necessity for improved roads. | 89.04 | General expenses, Office of Public Roads, 1913 (road management). |
| Do..... | do..... | Burlington, Morrisville, St. Johnsbury, Newport, St. Albans, Vt.; Keene, N. H.; Boston, Mass. (May 6-22, 1913). | To address meetings at points named on the necessity for road improvement. | 124.46 | Do. |
| Do..... | do..... | Salt Lake City, Logan, Utah; Boise, Lewiston, Moscow, Idaho; Pullman, Cheney, Ellensburg, Tacoma, Seattle, Centralia, Wash. (May 31-June 30, 1913). | do..... | 290.00 | Do. |
| Boykin, L. E..... | Expert. | Missouri, Oklahoma, Kansas, Arkansas, Illinois, and Indiana. On board Frisco road-improvement train (July 1-Sept. 3, 1912). | To give 112 lectures on road building and demonstrate models of road construction at 116 stops. | 217.27 | Do. |
| Do..... | do..... | Louisville, Ky.; Taylor County, Va. (Sept. 9-22, 1912). | To address State commission of public roads at Louisville on road building; to give 6 lectures at points in Taylor County on bond issues for road improvement. | 98.61 | Do. |
| Do..... | do..... | Tunkhannock, Pa.; Paducah, Ky. (Feb. 21-27, 1913). | To give 2 lectures on highway construction and maintenance before County Road Supervisors' Association at Tunkhannock; to address State Farmers' Institute at Paducah on highway improvement. | 72.95 | Do. |
| Do..... | do..... | Grove City and Butler, Pa. (Mar. 16-27, 1913). | To address County Road Supervisors' Associations at Grove City and Butler on highway construction. | 97.20 | Do. |
| Do..... | do..... | Yazoo County, Miss. (Apr. 1-18, 1913). | To give 6 lectures on road improvement at points in Yazoo County. | 134.42 | Do. |
| Do..... | do..... | Berkeley Springs, W. Va.; return to Washington; Frankfort, Ky.; Lewisville and Benton, Ark. (May 10-June 2, 1913). | To address board of trade at Berkeley Springs on road improvement; to confer with road officials at Frankfort in regard to road laws; to give lectures on road improvement at Lewisville and Benton. | 159.19 | Do. |
| Do..... | do..... | Lethbridge, Canada (Oct. 11-Nov. 1, 1912). | To assist in installation and demonstration of material relating to public roads exhibited by the department at International Dry Land Congress. | 215.35 | International Dry Land Congress at Lethbridge, Canada, 1913. |
| Brown, Glenn..... | Collaborator. | Harrisburg, Philadelphia, Pa.; Boston, Mass. (Sept. 12-18, 1912). | To take photographs of roads in Pennsylvania and Massachusetts to illustrate bulletins and addresses. | 58.06 | General expenses, Office of Public Roads, 1913 (road management). |
| Chew, Harry L..... | Instrument maker. | New York, N. Y. (Jan. 24-30, 1913). | To pack road model exhibit; after National Automobile Show, for return to Washington. | 44.37 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

OFFICE OF PUBLIC ROADS—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|---|---|---|----------------|--|
| Davies, Alice L..... | Lecturer on road economics. | Charlottesville, Va. (July 1-7, 1912)..... | To give 3 lectures at university in Charlottesville on road economics. | \$30. 65 | General expenses, Office of Public Roads, 1913 (road management). Do. |
| Do..... | do..... | Burlington, Vt.; Castine, Me. (June 21-30, 1913). | To deliver addresses on roads in relation to schools. | 58. 70 | |
| Eldridge, J. H..... | Superintendent of road construction. | Rockville, Md.; Atlantic City, N. J. (July 19-Oct. 1, 1912). | To inspect experimental road under construction at Rockville; to assist in setting up road models at American Road Congress at Atlantic City. | 52. 85 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). Do. |
| Do..... | do..... | Chevy Chase, Md. (6 trips); Matagorda County, Tex.; Victoria, Tex. (Dec. 10, 1912-Mar. 17, 1913). | To inspect experimental road under construction at Chevy Chase; to construct mud-shell object-lesson road in Matagorda County; to inspect road and give expert advice at Victoria. | 212. 55 | |
| Eldridge, M. O..... | Assistant chief, economics and maintenance. | Cambridge, Maxwell, Collins, Colo.; Nevada, Roland, Story City, Ames, Perry, St. Charles, Winterset, Indianola, and Knoxville, Iowa (Sept. 6-16, 1912). | To give 13 lectures at points in Iowa on highway improvement. | 114. 58 | General expenses, Office of Public Roads, 1919 (road management). Do. |
| Do..... | do..... | Richmond, Ind.; Atlantic City, N. J. (Sept. 25-Oct. 6, 1912). | To address convention of county commissioners at Richmond on road construction and legislation; to give expert advice and demonstrate road model exhibit at American Road Congress at Atlantic City. | 90. 97 | |
| Do..... | do..... | New York, N. Y. (Oct. 20-Nov. 5, 1912)... | To give advice and demonstrate road model exhibit at Domestic Science Exposition. | 98. 45 | Do. |
| Do..... | do..... | Chicago, Ill.; Cincinnati, Ohio; Indianapolis, Ind. (Nov. 19-Dec. 15, 1912). | To give advice and demonstrate road model exhibit at National Land Show in Chicago, before American Road Builders' Association in Cincinnati, and before Indiana Good Roads Association in Indianapolis. | 160. 84 | Do. |
| Do..... | do..... | Holbrook, St. Johns, Springerville, Flagstaff, Prescott, Mesa, Florence, Yuma, Tucson, Nogales, Douglas, Bisbee, and Globe, Ariz. (Jan. 4-31, 1913). | To give 13 lectures at points named on benefits of improved roads. | 340. 01 | Do. |
| Do..... | do..... | Magdalena, Socorro, Roswell, Artesia, Carlsbad, Clovis, N. Mex.; Phoenix, Ariz.; Knoxville, Tenn.; Hopkinsville and Princeton, Ky. (Feb. 1-26, 1913). | To give 6 lectures in New Mexico on benefits of improved roads; to give 4 lectures at Phoenix on road improvement; to give advice at Knoxville in regard to road administration in Jefferson County; to give lectures at Hopkinsville and Princeton on highway improvement. | 291. 02 | Do. |

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| Do..... | do..... | Centerville, Leon, Lemoni, Mount Ayr, Corning, Bedford, Clarinda, Osceola, Chariton, Iowa; return to Washington; New York, N. Y.; Stamford, Conn. (Mar. 4-Apr. 1, 1913). | To give 9 lectures at points in Iowa on the construction and maintenance of earth roads; to give advice and demonstrate road model exhibit at Vacation and Travel Exposition in New York; to give lecture at Stamford on road building. | 228.99 | Do. |
| Do..... | do..... | Louisville, Frankfort, Ky.; Princeton, Oakdale, Branwell, Metoka, Athens, Bluefield, W. Va.; Hilton, Nicholasville, and Gate City, Va. (Apr. 6-27, 1913). | To give lecture and advice and demonstrate road model exhibit at Kentucky Highway Engineers' Association at Louisville; to confer with State highway officials at Frankfort in regard to bridge work; to give 6 lectures at points in West Virginia on road economics and financing; to give 3 lectures at points in Virginia on improved roads. | 162.41 | Do. |
| Do..... | do..... | Bell County, Tex. (May 4-16, 1913)..... | To give five lectures on benefits of improved roads. | 154.80 | Do. |
| Do..... | do..... | New York and Malone, N. Y. (May 19-29, 1913). | To make economic study at Malone of road conditions in Franklin County, N. Y.; to secure information at New York in regard to economic study of roads. | 83.41 | Do. |
| Fenton, Katherine J.... | Draftsman..... | Emporia, Burlingame, and Topeka, Kans.; Armour, Mitchell, Pierre, Clear Lake, Estelline, Huron, Rapid City, Aberdeen, S. Dak.; Wahpeton, N. Dak.; Moorhead, Minn. (May 30-June 30, 1913). | To give 13 lectures on the relation of roads to schools and child welfare. | 168.44 | Do. |
| Goldbeck, Albert T.... | Testing engineer..... | Wilmington, Del. (Sept. 11-12, 1912)..... | To investigate concrete as a road material..... | 7.55 | General expenses, Office of Public Roads, 1913 (road material). |
| Do..... | do..... | Chevy Chase, Md. (6 trips; Nov. 6, 1912-Mar. 7, 1913). | To inspect experimental road under construction. | 7.95 | General expenses, Office of Public Roads, 1913 (field experiments). |
| Do..... | do..... | New York, N. Y. (Apr. 16-17, 1913)..... | To address American Society of Civil Engineers on results of scientific investigations of bureaus. | 24.80 | General expenses, Office of Public Roads, 1913 (road material). |
| Grant, William..... | Laboratory helper..... | Chevy Chase, Md. (6 trips; Nov. 6, 1912-Mar. 7, 1913). | To assist in the construction of experimental roads. | 6.20 | General expenses, Office of Public Roads, 1913 (field experiments). |
| Heidel, Benjamin F.... | Highway engineer and senior highway engineer. | Ithaca, N. Y. (Sept. 6-Oct. 10, 1912)..... | To make repairs on experimental roads..... | 147.61 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). |
| Do..... | do..... | Adams County and Durant, Miss. (Nov. 13-25, 1912). | To assist in making surveys and plans for a system of roads in Adams County; to inspect roads and give expert advice at Durant. | 119.70 | Do. |
| Do..... | do..... | Goshen and Nappanee, Ind.; Bethany and Wellsburg, W. Va. (Nov. 26-Dec. 20, 1912). | To inspect roads and give expert advice at Goshen and Nappanee; to inspect object-lesson roads at Bethany and Wellsburg. | 68.50 | Do. |
| Do..... | do..... | Kansas City, Ravenwood, and Warrenton, Mo. (Apr. 30-May 17, 1913). | To inspect roads and give advice on road building and maintenance. | 144.90 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

OFFICE OF PUBLIC ROADS—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|--------------------|---|---|---|----------------|---|
| Hewes, Laurence I. | Senior highway engineer and chief road economics and maintenance. | Winchester and Clearbrook, Va. (July 1-3, 1912). | To inspect roads and give advice on road building and maintenance. | \$17.71 | General expenses, Office of Public Roads, 1913 (road management). |
| Do. | do. | Clarks, Crinder, Columbia, Ballston, and Fort Myer, Va. (July 5-Aug. 31, 1912). | To make investigation of road maintenance in Alexandria County. | 2.06 | Do. |
| Do. | do. | Spokane, Wash.; Lewiston and Boise, Idaho; Ames, Iowa (Sept. 5-Oct. 16, 1912). | To set up and demonstrate road models at State fair at Spokane; to inspect roads and give advice at Lewiston; to inspect experimental road at Ames; to inspect gravel road at Ames. | 285.50 | Do. |
| Do. | do. | Grinder, Fort Berry, Green Valley, and Rosslyn, Va. (Nov. 5-17, 1912). | To make investigation of road maintenance in Alexandria County. | .95 | Do. |
| Do. | do. | Minneapolis, Minn. (Nov. 17-21, 1912). | To give two lectures on highway conservation, before Conservation and Agricultural Congress. | \$2.20 | Do. |
| Do. | do. | Cleveland, Ohio (Dec. 31, 1912-Jan. 5, 1913). | To address American Association for the Advancement of Science on motor-vehicle wheels in relation to road surfaces. | 49.07 | Do. |
| Do. | do. | Braintree, Mass. (Jan. 8-20, 1913). | To address Thayer Academy on the relation of highways to schools. | 13.90 | Do. |
| Do. | do. | Merion, Pa. (Jan. 30-31, 1913). | To address local officials and others on highway economics. | 7.40 | Do. |
| Do. | do. | Arlington Junction and Hatfield, Va.; Chevy Chase, Md.; Toronto, Canada; Detroit, Mich. (Feb. 7-28, 1913). | To make investigation of road maintenance in Alexandria County; to inspect experimental road under construction at Chevy Chase; to address Ontario Good Roads Association at Toronto on road maintenance; to inspect road and give advice at Detroit. | 12.85 | Do. |
| Do. | do. | Walla Walla and Colfax, Wash.; Umatilla, Oreg.; Moscow, Idaho (Mar. 7-23, 1913). | To inspect roads and give advice at Walla Walla, Colfax, and Umatilla; to give lecture at Moscow on road building. | 217.15 | Do. |
| Do. | do. | Fredericksburg, Va. (Apr. 2-5, 1913). | To make economic survey of locality and roads to determine benefits of improved roads. | 29.00 | Do. |
| Do. | do. | Frederick and Hagerstown, Md.; Shipensburg, Harrisburg, Columbia, and Hanover, Pa.; Baltimore, Md. (May 5-8, 1913). | To inspect roads in Maryland and Pennsylvania, traveling by automobile. | 20.50 | Do. |
| Do. | do. | Wise County and Bristol, Va. (May 12-17, 1913). | To make economic surveys of roads. | 53.68 | Do. |

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| Do..... | do..... | Lauderdale County, Ala. (May 20-27, 1913). | To make economic study of proposed post road in Lauderdale County. | 85.60 | Do. |
| Do..... | do..... | Boone and Story Counties, Iowa; Russellville, Ark.; Leflore County, Miss. (June 21-30, 1913). | To make economic study of proposed post road in Boone and Story Counties; to address Agricultural College at Russellville on country roads; to make economic study of proposed post road in Leflore County. | 118.48 | Do. |
| Holder, Herbert..... | Laborer..... | Chevy Chase, Md. (8 trips; Nov. 6, 1912-Apr. 8, 1913). | To assist in the construction of experimental roads. | 10.10 | General expenses, Office of Public Roads, 1913 (field experiment). |
| Hubbard, Prevost..... | Chemist..... | New York, N. Y. (Sept. 9-11, 1912). | To inspect experimental roads at Jamaica, L. I. | 18.90 | General expenses, Office of Public Roads, 1913 (field material). |
| Do..... | do..... | New York, N. Y. (Feb. 2, 1913). | do. | 2.70 | Do. |
| Jackson, F. H..... | Laboratory assistant..... | Chevy Chase, Md. (4 trips; Nov. 9, 1912-Feb. 8, 1913). | To assist in the construction of experimental roads at Chevy Chase. | 3.10 | General expenses, Office of Public Roads, 1913 (field experiment). |
| Do..... | do..... | Belton, Lytle, Bay City, Beaumont, and Orange, Tex.; Miami, Key West, Tampa, Brooksville, Fla.; Norton, Va. (Apr. 12-May 7, 1913). | To inspect various types of road construction in Texas, Florida, and Virginia. | 282.17 | General expenses, Office of Public Roads, 1913 (road material). |
| James, E. W..... | Highway engineer and senior highway engineer. | Anaconda, Mont.; Boise, Idaho; Salt Lake City, Utah; Ord, Neb.; Ames and Waterloo, Iowa; Nappanee and Indianapolis, Ind. (July 2-26, 1912). | To demonstrate road model exhibit and give lectures at Montana Good Roads Congress at Anaconda; to inspect roads and give advice at Boise, Salt Lake City, Ord, Ames, Waterloo, Nappanee, and Indianapolis. | 167.82 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). |
| Do..... | do..... | Bennettsville, S. C.; Raleigh, N. C. (Aug. 19-31, 1912). | To inspect object-lesson road built by Office of Public Roads at Bennettsville; to inspect roads and give advice at Raleigh. | 66.60 | Do. |
| Do..... | do..... | Portageville, N. Y. (Sept. 19-29, 1912). | To inspect roads in Letchworth Park at Portageville. | 36.37 | Do. |
| Do..... | do..... | Elkhart, Ind.; return to Washington; Gatesville and Eure, N. C.; return to Washington; Augusta, Portland, Houlton, Bangor, and Dover, Me. (Oct. 1-Nov. 30, 1912). | To inspect roads and give advice at Elkhart, Gatesville, and Eure; to make inspections of roads and report on a highway system for Maine. | 127.28 | Do. |
| Do..... | do..... | Knoxville, Tenn.; Dillon, Columbia, and Abbeville, S. C. (Jan. 1-12, 1913). | To give advice in regard to road administration in Jefferson County at Knoxville; to inspect roads and give advice at Dillon, Columbia, and Abbeville. | 72.64 | Do. |
| Do..... | do..... | Franktown, Va. (Jan. 24-26, 1913). | To inspect object-lesson road. | 21.36 | Do. |
| Do..... | do..... | Abbeville, S. C.; Arcadia, Fort Myers, Fort Lauderdale, Miami, Fla.; Lexington, Mo.; Des Moines, Ames, Nevada, Boone, Iowa; Fort Worth, Beaumont, Palacios, Bay City, and Wharton; to inspect proposed post road at Des Moines, Ames, Nevada, and Boone. | To inspect roads and give advice at points indicated. | 255.34 | Do. |
| Do..... | do..... | Caldwell, Temple, Bastrop, San Antonio, Belton, and Beaumont, Tex.; Arcadia, Fla.; Raleigh, High Point, and Ashboro, N. C. (Mar. 1-26, 1913). | | 206.68 | Do. |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

OFFICE OF PUBLIC ROADS—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|-----------------------|---|---|--|----------------|---|
| James, E. W..... | Highway engineer and senior highway engineer. | Richmond, Fredericksburg, Spotsylvania C. H., and Alexandria, Va.; return to Washington; Annapolis, Md. (5 trips); Florence Bluff Creek and Sheffield, Ala.; return to Washington; return to Florence, Burlington, Des Moines, Ames, Nevada, and Boone, Iowa (Apr. 1–May 31, 1913). | To inspect proposed post roads in Virginia, Alabama, and Iowa; to inspect road and give advice at Annapolis. | \$241.96 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). |
| Do..... | do..... | Ames, Boone, Des Moines, Iowa; St. Paul, Mankato, Shakopee, Le Sueur, Minn.; Mount Sterling, Ky. (June 1–30, 1913). Chevy Chase, Md. (15 trips; Nov. 9–Dec. 20, 1912). | To inspect proposed post roads in Iowa, Minnesota, and Kentucky. | 127.99 | Do. |
| Marsden, T. J..... | Student assistant..... | Decorah, Osage, and Waukon, Iowa; Ord, Nebr. (July 1–Aug. 21, 1912). | To assist in the construction of experimental roads. | 5.40 | General expenses, Office of Public Roads, 1913 (field experiments). |
| Moorefield, C. H..... | Highway engineer..... | Leesburg, Va.; return to Washington; Bethesda, Md. (3 trips; New York, N. Y. (Sept. 23–Oct. 8, 1912). | To inspect roads and give advice at Decorah and Osage; to superintend the construction of object-lesson roads at Waukon and Ord. | 156.09 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). |
| Do..... | do..... | Plains, Va.; return to Washington; Leesburg and Oatlands, Va.; return to Washington; Rectortown, Va.; return to Washington; Rustburg, Va.; return to Washington; New York, N. Y.; return to Washington; Arlington, Va. (4 trips); Rockville, Md. (2 trips); Somerset, Md. (Jan. 13–May 21, 1913). | To inspect roads and give advice at Leesburg; to inspect experimental road construction at Bethesda; to obtain information in New York for publication in department circular on bridges. | 20.30 | Do. |
| Do..... | do..... | Rockville, Md.; return to Washington; Greenwood, Miss.; Newport, Ark.; Frankfort, Ky.; Durham, N. C. (May 27–June 20, 1913). | To inspect roads and give advice at Plains, Rectortown, and Somerset; to make survey of roads at Leesburg, Oatlands, and Arlington; to inspect road and give advice and lecture on road building at Rustburg; to obtain information in New York for publication in department circular on bridges; to inspect proposed post road at Rockville. | 62.40 | Do. |
| Do..... | do..... | Chevy Chase, Md. (34 trips); Rockville, Md. (7 trips); Silver Springs, Md. (Nov. 13, 1912–June 30, 1913). | To inspect proposed post roads at Rockville and Greenwood; to inspect roads and give advice at Newport, Frankfort, and Durham. | 132.19 | Do. |
| Nash, J. P..... | Laboratory apprentice | | To assist in the construction of experimental roads. | 20.60 | General expenses, Office of Public Roads, 1913 (field experiments). |

| Page, L. W. | Director. | New York, N. Y.; Providence, R. I.; Boston, Mass.; return to Washington; Richmond, Newport News, Norfolk, Va.; return to Washington; Atlantic City, N. J.; return to Washington; New York, N. Y.; return to Washington; Philadelphia, Pa. (July 1-Nov. 30, 1912). | To investigate road building materials at New York, Providence, Boston, Richmond, Newport News, and Norfolk; to give lectures on phases of the department's road work before the American Road Congress at Atlantic City, the Domestic Science Congress at New York, and the International Association for Testing Materials at Philadelphia. | 192. 40 | General expenses, Office of Public Roads, 1913 (road material). |
|------------------|---------------------|---|---|---------|---|
| Do. | do. | New York, N. Y. (Apr. 24-26, 1913). | To confer with road officials in regard to road-building materials. | 28. 16 | Do. |
| Do. | do. | Atlantic City, N. J. (June 23-30, 1913). | To give lectures on phases of the department's road work before American Society for Testing Materials. | 43. 10 | Do. |
| Pelce, Vernon M. | Chief engineer. | Springfield, Amherst, Mass.; return to Washington; Pittsburgh, Pa.; Columbus, Ohio; Chicago, Ill.; Goodland and Morocco, Ind.; return to Chicago; Cleveland, Ohio; Pittsburgh, Pa. (July 1-Sept. 3, 1912). | To inspect roads and give advice in regard to road administration and construction at points indicated. | 123. 31 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). |
| Do. | do. | New York, Albany, N. Y.; Bennington, Vt.; North Adams, Boston, West Newton, Mass.; return to Washington; New York, N. Y.; Springfield, Boston, Mass.; return to New York (Nov. 4, 1912-Jan. 7, 1913). | do. | 115. 04 | Do. |
| Do. | do. | New York, Poughkeepsie, Albany, N. Y.; Rutland, Vt.; return to New York (Apr. 23-26, 1913). | do. | 51. 61 | Do. |
| Reeve, C. S. | Chief asst. | Chevy Chase, Md. (13 trips); Toledo, Ohio; Ann Arbor, Detroit, Mich.; Bowling Green, Ky.; Nashville and Knoxville, Tenn. (Nov. 25, 1912-Jan. 12, 1913). | To inspect experimental road under construction at Chevy Chase; to investigate bituminous road materials at Toledo and Detroit; to address Michigan Engineering Society at Ann Arbor on the use of bituminous materials; to inspect roads and give advice at Bowling Green, Nashville, and Knoxville. | 84. 10 | General expenses, Office of Public Roads, 1913 (road material). |
| Do. | do. | Columbia, S. C.; Orlando, Fort Myers, Fla.; Beaumont, Tex. (Feb. 1-28, 1913). | To lecture on road building at Columbia; to inspect roads and give advice at Orlando, Fort Myers, and Beaumont. | 168. 86 | Do. |
| Do. | do. | Annapolis, Md. (2 trips); Staunton, Va. (Apr. 1-30, 1913). | To inspect and give advice in regard to roads. | 28. 25 | Do. |
| Do. | do. | Overbrook, Philadelphia, Pa.; return to Washington; Annapolis, Md.; Chevy Chase, Md. (3 trips) (May 1-31, 1913). | To inspect roads and give advice at Overbrook, Philadelphia, and Annapolis; to inspect experimental road work at Chevy Chase. | 26. 03 | Do. |
| Do. | do. | Miami, Fla.; return to Washington; Chevy Chase, Md. (3 trips); Silver Spring, Md. (4 trips); (June 1-30, 1913). | To superintend the construction of experimental road at Miami, and inspect experimental road work at Chevy Chase and Silver Spring. | 135. 85 | Do. |
| Sargent, Paul D. | Assistant director. | Ithaca, N. Y.; Philadelphia, Pa. (July 26-28, 1912). | To inspect experimental roads at Ithaca; to inspect roads and give advice at Philadelphia. | 31. 21 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). |

Statement showing the names of officers or employees (other than special agents, inspectors, or employees who in the discharge of their regular duties are required to constantly travel) who traveled on official business from Washington, etc.—Continued.

OFFICE OF PUBLIC ROADS—Continued.

| Name. | Title. | Destination. | Business or work. | Total expense. | Appropriation. |
|----------------------|-------------------------|---|---|----------------|---|
| Sargent, Paul D..... | Assistant director..... | Springfield, Mass.; Bennington, Vt.; Pittsfield, North Adams, Berkshire, Mass.; Manchester, Rutland, Berkshire, Burlington, Evanston, Johnson, Johnsbury, White River Junction, and Providence; to inspect special maintenance experiment at Rutland; to inspect road built by Office of Public Roads at Augusta, Me.; Providence, R. I. (Aug. 1–Sept. 11, 1912). | To inspect roads and give advice at Springfield, Bennington, Pittsfield, North Adams, Berkshire, Manchester, Burlington, Evanston, Johnson, Johnsbury, White River Junction, and Providence; to inspect special maintenance experiment at Rutland; to inspect road built by Office of Public Roads at Rockport; to confer with road authorities at Augusta. | \$69.60 | General expenses, Office of Public Roads, 1913 (investigating road building and maintenance). |
| Do..... | do..... | Brookside, Westford, Springfield, Taunton, Chicopee, Mass.; Providence, R. I. (Nov. 11–15, 1912). | To inspect roads and give advice at Brookside and Springfield; to address Automobile clubs and boards of trade at Westford, Taunton, and Chicopee on phases of the department's road work; to confer with road authorities at Providence. | 53.38 | Do. |
| Do..... | do..... | Toledo, Ohio; Goshen, Ind.; Detroit, Mich.; Youngstown, Ohio; Indianapolis, Ind. (Dec. 2–14, 1912). | To inspect roads and give advice at Toledo, Goshen, and Detroit; to inspect experimental road built at Youngstown by Office of Public Roads; to address Better Roads Convention at Indianapolis on "Value of highway commission." | 136.60 | Do. |
| Do..... | do..... | Wilmington, Del.; New York, N. Y.; return to Washington; Springfield, Ill.; (Jan. 16–Feb. 2, 1913). | To inspect road and give advice at Wilmington; to address International Road Congress at New York and State Highway Improvement Association at Springfield on phases of the department's road work. | 111.95 | Do. |
| Do..... | do..... | Augusta, Me.; South Braintree, Holbrook, Mass. (Feb. 12–18, 1913). | To inspect roads and give advice at Augusta and South Braintree; to address board of trade at Holbrook on road work of the department. | 32.75 | Do. |
| Do..... | do..... | Billerica, Lowell, Tewksbury, Mass.; New York, N. Y. (Mar. 23–26, 1913). | To address board of trade at Billerica on road building; to inspect road and give advice at Lowell; to address board of trade at Tewksbury on road building; to inspect experimental roads in New York. | 48.75 | Do. |
| Do..... | do..... | St. Louis, Mo. (Apr. 8–13, 1913)..... | To address National Drainage Congress on phases of the department's road work. | 89.40 | Do. |
| Do..... | do..... | Portland, Fryeburg, Waterville, and Augusta, Me. (Apr. 27–May 2, 1913). | To inspect roads and give advice at points indicated. | 69.55 | Do. |

126 EXPENDITURES FOR TRAVEL, DEPARTMENT OF AGRICULTURE.

RECAPITULATION BY APPROPRIATIONS.

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| General expenses, Weather Bureau, 1913..... | \$2,505.13 |
| General expenses, Bureau of Animal Industry, 1913: | |
| Inspection and quarantine..... | 6,287.41 |
| Eradicating cattle ticks..... | 441.78 |
| Dairy industry..... | 9,885.85 |
| Animal husbandry..... | 2,466.71 |
| Diseases of animals..... | 2,105.38 |
| Administrative expenses..... | 712.84 |
| Cooperative experiments in animal feeding and breeding, 1913..... | 1,588.71 |
| Meat inspection, Bureau of Animal Industry, 1913..... | 3,266.74 |
| General expenses, Bureau of Plant Industry, 1913: | |
| Pathological laboratory..... | 836.57 |
| Fruit diseases..... | 3,725.73 |
| Forest pathology..... | 2,468.62 |
| Cotton and truck diseases..... | 2,123.85 |
| Crop physiology..... | 1,377.60 |
| Bacteriology and nutrition..... | 1,096.00 |
| Crop acclimatization..... | 4,628.93 |
| Drug and other plants..... | 1,972.79 |
| Crop technology..... | 233.44 |
| Cotton standardization..... | 4,699.40 |
| Grain standardization..... | 1,169.85 |
| Special seeds and plants..... | 109.30 |
| Seed testing laboratories..... | 827.82 |
| Cereal investigations..... | 5,239.99 |
| Tobacco investigations..... | 280.56 |
| Forage crop investigations..... | 1,700.03 |
| Paper plant investigations..... | 603.42 |
| Alkali and drought and resistant plants..... | 2,088.52 |
| Sugar plant investigations..... | 1,707.27 |
| Taxonomic and range investigations..... | 1,537.10 |
| Farm management..... | 21,516.21 |
| Dry land agriculture..... | 1,144.70 |
| Western irrigation agriculture..... | 2,086.27 |
| Pomological investigations..... | 14,364.54 |
| Arlington farm and horticulture..... | 3,698.49 |
| Physical investigations..... | 2,727.29 |
| Utilization of cacti and dry land plants..... | 1,282.83 |
| Drought resistant seeds..... | 673.66 |
| Clearing and utilization of "logged-off" lands..... | 1,205.68 |
| Northern Great Plains Field Station..... | 170.05 |
| Administrative and miscellaneous..... | 56.35 |
| Potatoes and sugar beet seed under irrigation, 1913..... | 3,294.32 |
| Purchase and distribution of valuable seeds, 1913: | |
| Congressional seed distribution..... | 1,806.21 |
| Foreign seed and plant introduction..... | 1,746.90 |
| Investigating the chestnut tree bark disease, 1913..... | 2,974.09 |
| General expenses, Forest Service, 1913: | |
| Forest products..... | 4,277.77 |
| National forest range investigations..... | 993.50 |
| Management of forests..... | 5,417.98 |
| Market and miscellaneous investigations..... | 1,320.99 |
| General administration..... | 11,712.73 |
| Cooperative work, forest investigations..... | 319.36 |
| Acquisition of lands for protection of watersheds of navigable streams..... | 1,314.93 |
| General expenses, Bureau of Chemistry, 1913, laboratory, miscellaneous expenses..... | 5,341.63 |
| Enforcement of the food and drugs act, 1913..... | 16,182.29 |
| General expenses, Bureau of Soils, 1913: | |
| Chemical investigations..... | 55.00 |
| Soil fertility investigations..... | 210.03 |
| Soil water investigations..... | 295.31 |
| Investigations of fertilizer resources..... | 2,101.59 |
| General expenses, Bureau of Entomology, 1913, miscellaneous insects..... | 785.65 |
| Preventing spread of moths, Bureau of Entomology, 1913..... | 1,241.92 |
| General expenses, Bureau of Biological Survey, 1913: | |
| Game preservation..... | 1,824.43 |
| Food habits of birds and mammals..... | 3,665.46 |
| Biological investigations..... | 745.22 |
| Exterminating ground squirrels..... | 564.85 |
| Administrative expenses..... | 334.60 |
| General expenses, Bureau of Statistics, 1913, special investigations..... | 1,746.30 |
| Library, Department of Agriculture, 1913..... | 38.45 |
| Contingent expenses, Department of Agriculture, 1913..... | 799.26 |
| Agricultural experiment stations, 1913: | |
| Miscellaneous expenses..... | 2,394.58 |
| Farmers' institutes..... | 1,199.16 |
| Nutrition investigations, 1913..... | 263.80 |
| Irrigation investigations, 1913..... | 1,091.94 |
| Drainage investigations, 1913..... | 1,804.16 |
| General expenses, Office of Public Roads, 1913: | |
| Road management..... | 4,374.89 |
| Investigating road building and maintenance..... | 3,804.49 |
| Road material..... | 1,017.62 |
| Field experiments..... | 53.35 |

EXPENDITURES FOR TRAVEL, DEPARTMENT OF AGRICULTURE. 127

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| Enforcement of the insecticide act, 1913..... | \$994. 01 |
| Nursery plant inspection and quarantine, 1913..... | 1, 296. 68 |
| International Dry Land Congress at— | |
| Lethbridge, Canada, 1913..... | 1, 456. 65 |
| Tulsa, Okla., 1913-14..... | 37. 53 |
| Total..... | 207, 513. 04 |



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